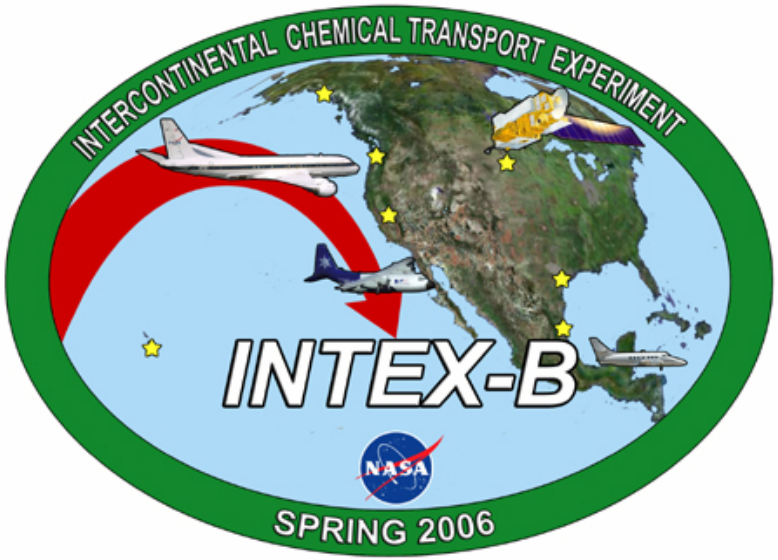
Seattle Weather Brief
Sunday, 0423



Jennie Moody, UVA
Mike Porter, FSU

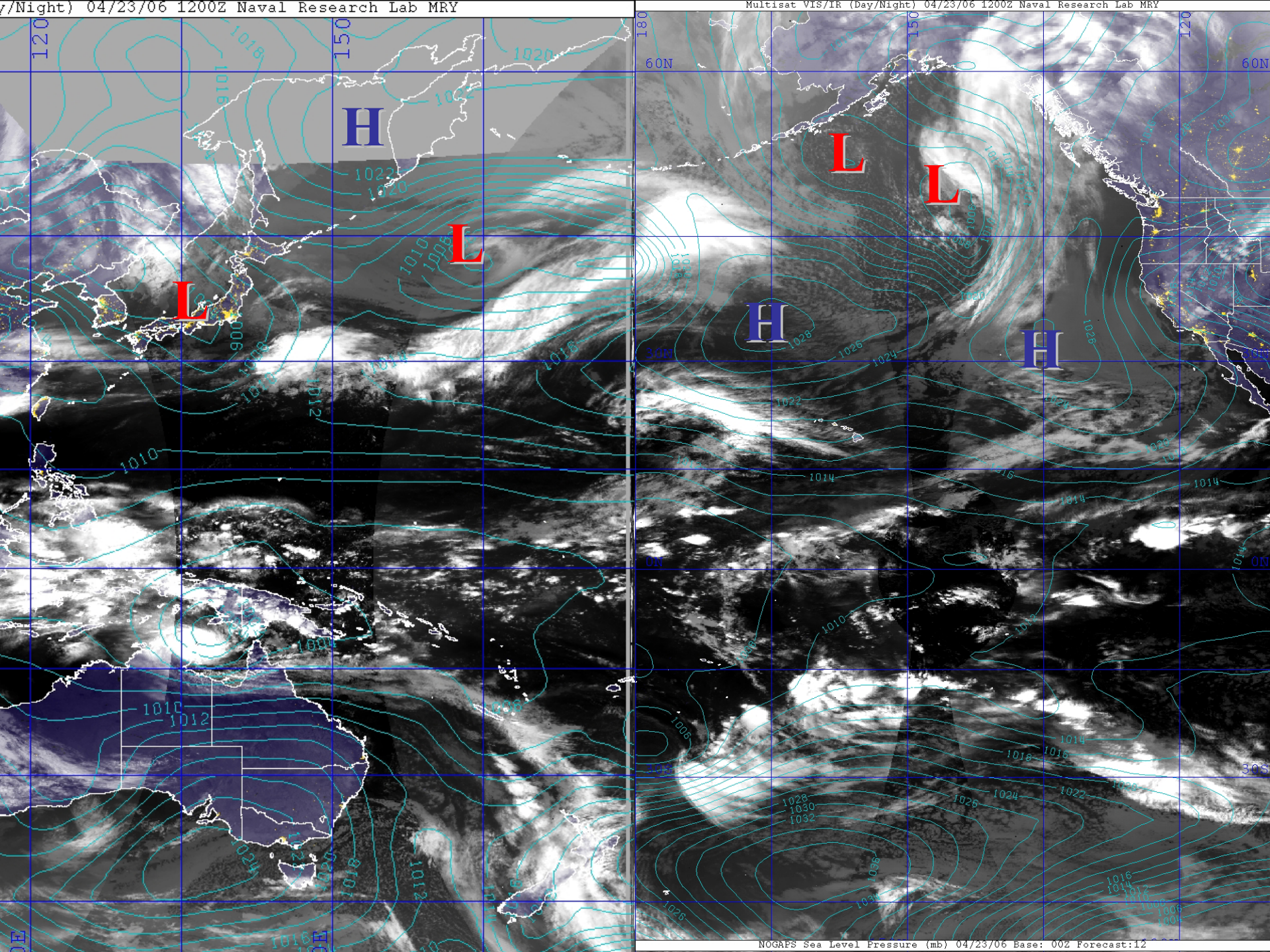
"Your eyes to the skies…
With their feet on the ground"

UNIVERSITY of VIRGINIA

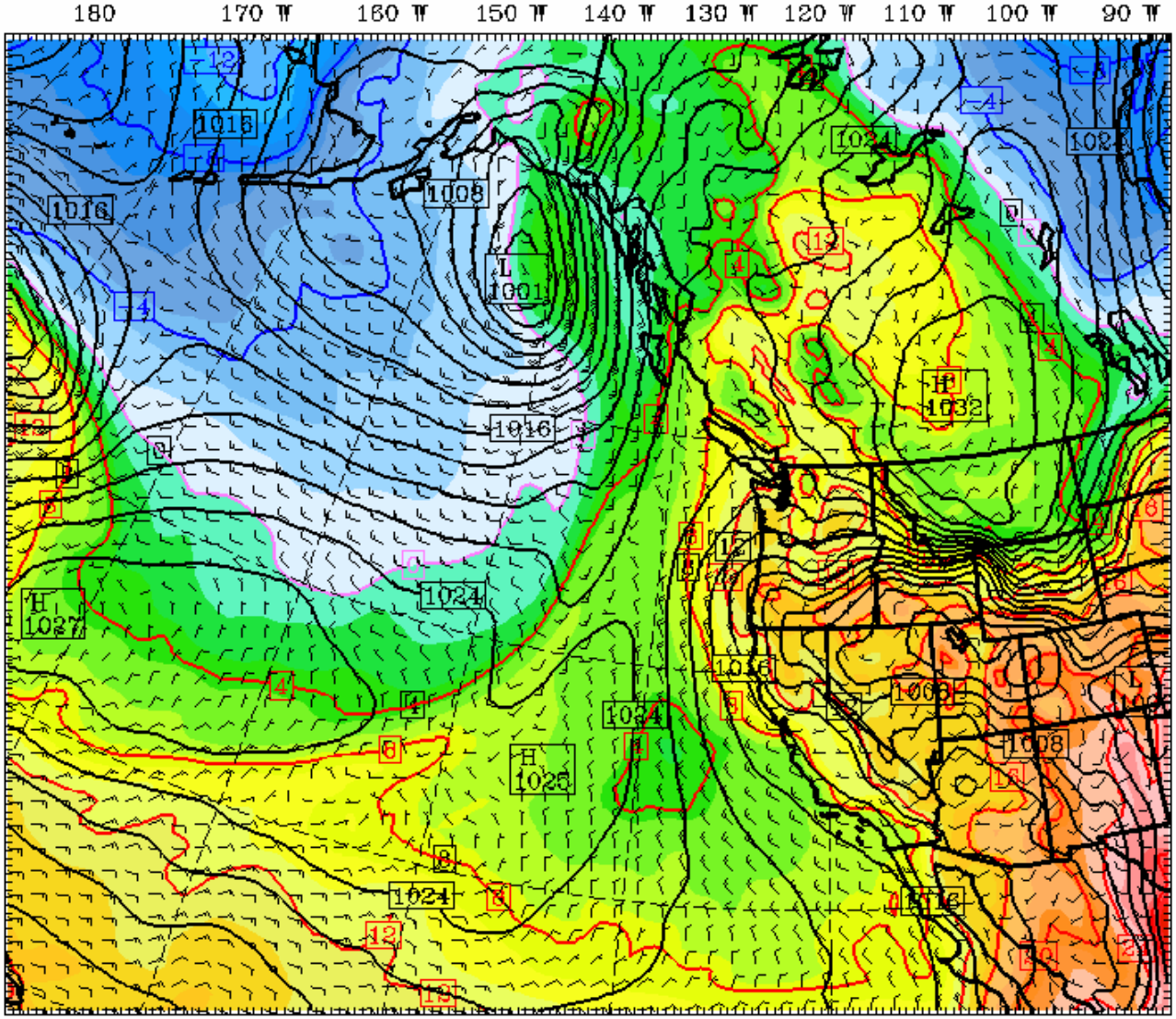
FSU Meteorology

Current Conditions Over the Pacific

Satellite IR and Surface Pressure from NOGAPS
Followed by
Satellite IR and 500hPa Geopotential Heights


y/Night) 04/23/06 1200Z Naval Research Lab MRY
Multisat VIS/IR (Day/Night) 04/23/06 1200Z Naval Research Lab MRY
NOGAPS Sea Level Pressure (mb) 04/23/06 Base: 00Z Forecast:12
H
L
L
L
H
H
120
150
180
60N
30N
0N
30S

UW MM5-Eta 36km Domain
Fcst: 15 h
Init: 12 UTC Sun 23 Apr 06
Valid: 03 UTC Mon 24 Apr 06 (20 PDT Sun 23 Apr 06)
Temperature at 925 mb (°C)
Sea Level Pressure (hPa)
Wind at 10m (full barb = 10kts)

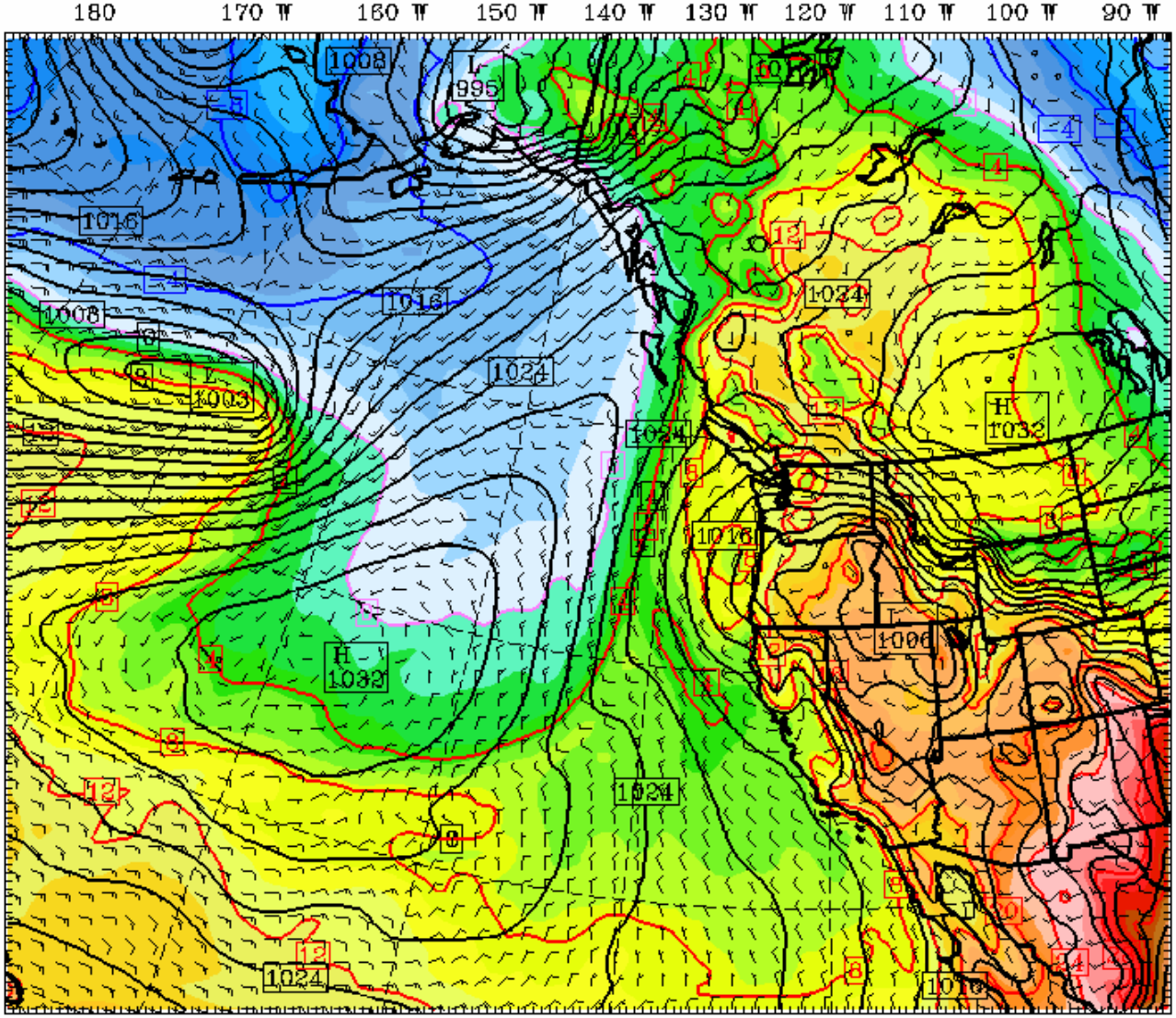


CONTOURS: UNITS=hPa LOW= 1002.0 HIGH= 1032.0 INTERVAL= 2.0000
CONTOURS: UNITS=°C LOW= -12.000 HIGH= 28.000 INTERVAL= 4.0000

−31.5 −27 −22.5 −18 −13.5 −9 −4.5 0 4.5 9 13.5 18 22.5 27 31.5 36 °C

Model info: V3.5.0 Kain-Frsch MRF PBL Simple ice 36 km, 37 levels, 108 sec

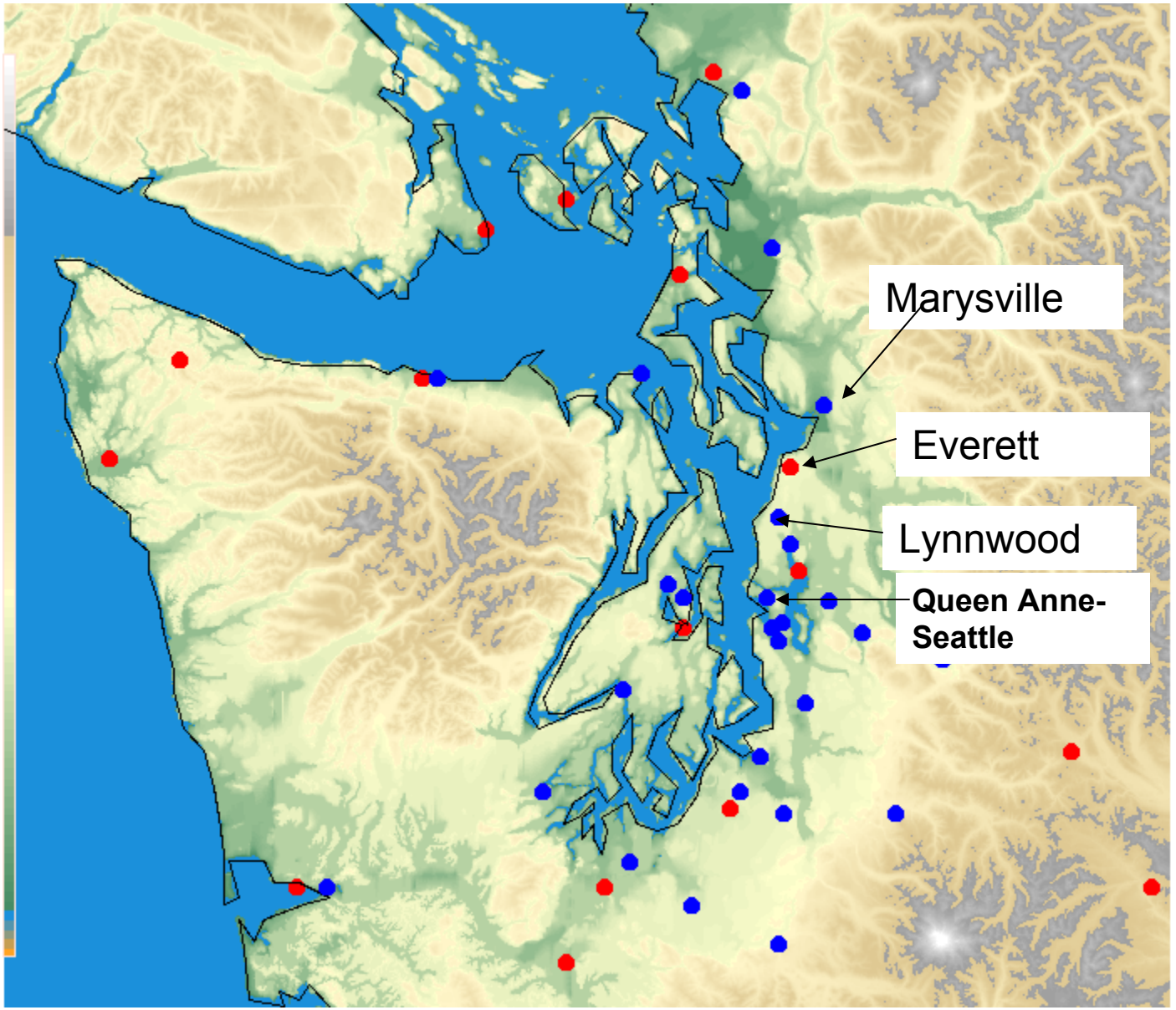
UW MM5-Eta 36km Domain
Fcst: 33 h
Init: 12 UTC Sun 23 Apr 06
Valid: 21 UTC Mon 24 Apr 06 (14 PDT Mon 24 Apr 06)
Temperature at 925 mb (°C)
Sea Level Pressure (hPa)
Wind at 10m (full barb = 10kts)

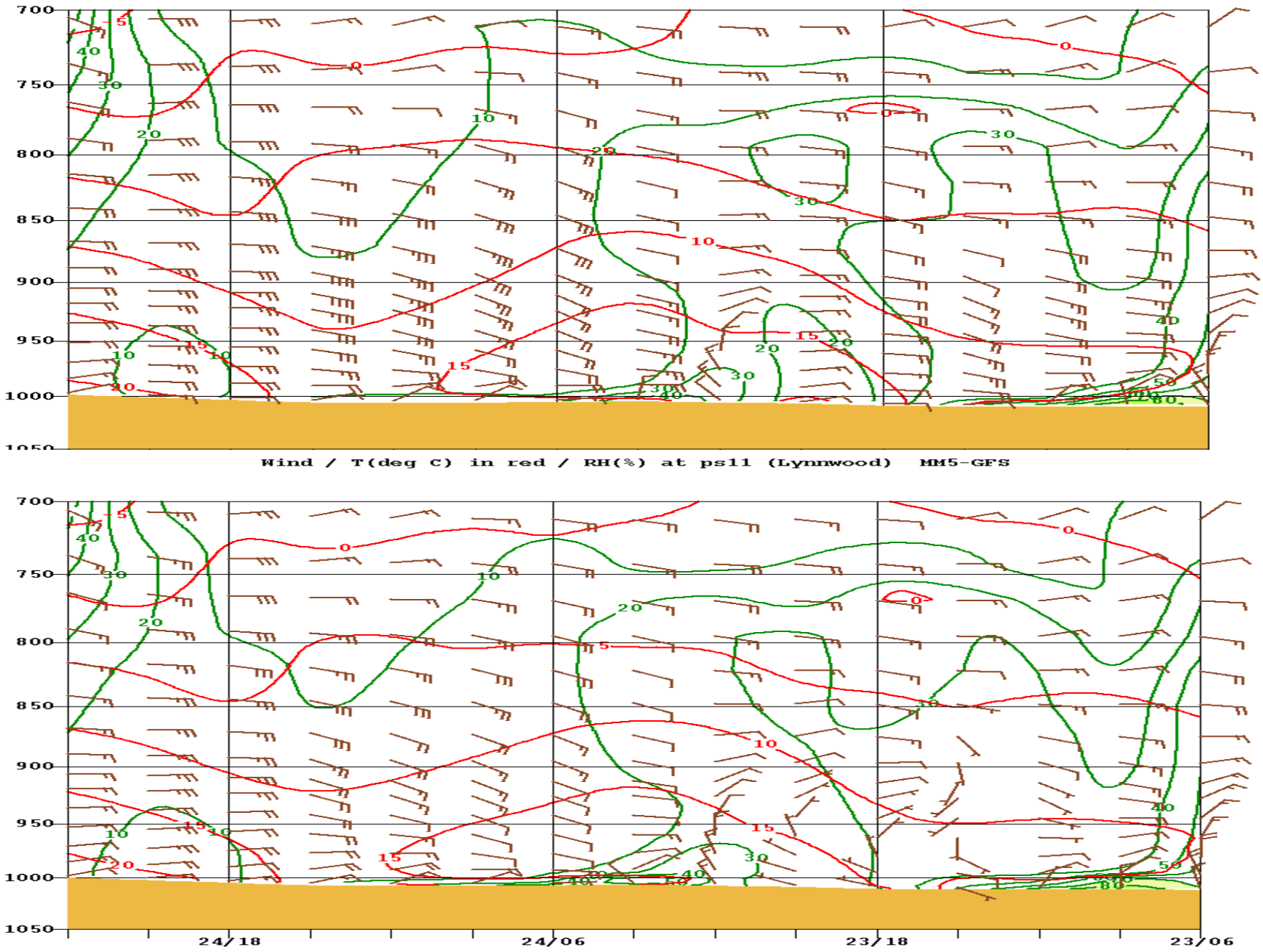


CONTOURS: UNITS=hPa LOW= 996.00 HIGH= 1030.0 INTERVAL= 2.0000
CONTOURS: UNITS=°C LOW= -12.000 HIGH= 36.000 INTERVAL= 4.0000

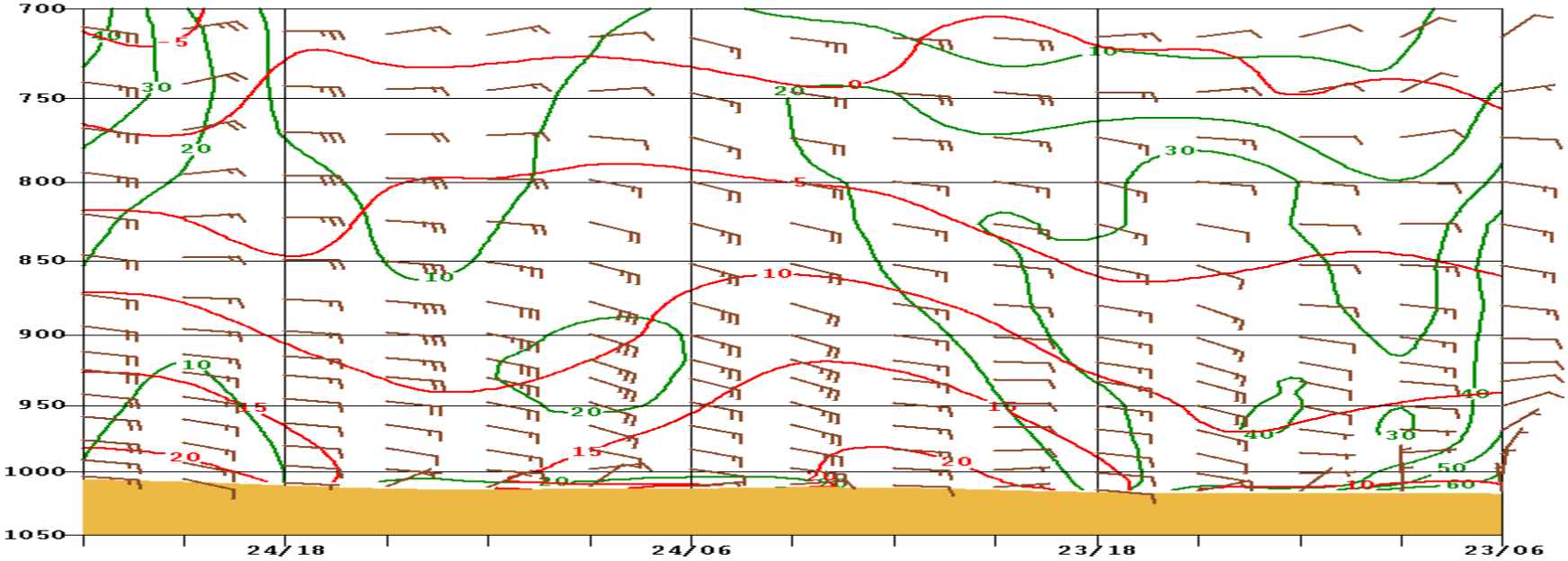
−31.5 −27 −22.5 −18 −13.5 −9 −4.5 0 4.5 9 13.5 18 22.5 27 31.5 36 °C

Model info: V3.5.0 Kain-Frsch MRF PBL Simple ice 36 km, 37 levels, 108 sec

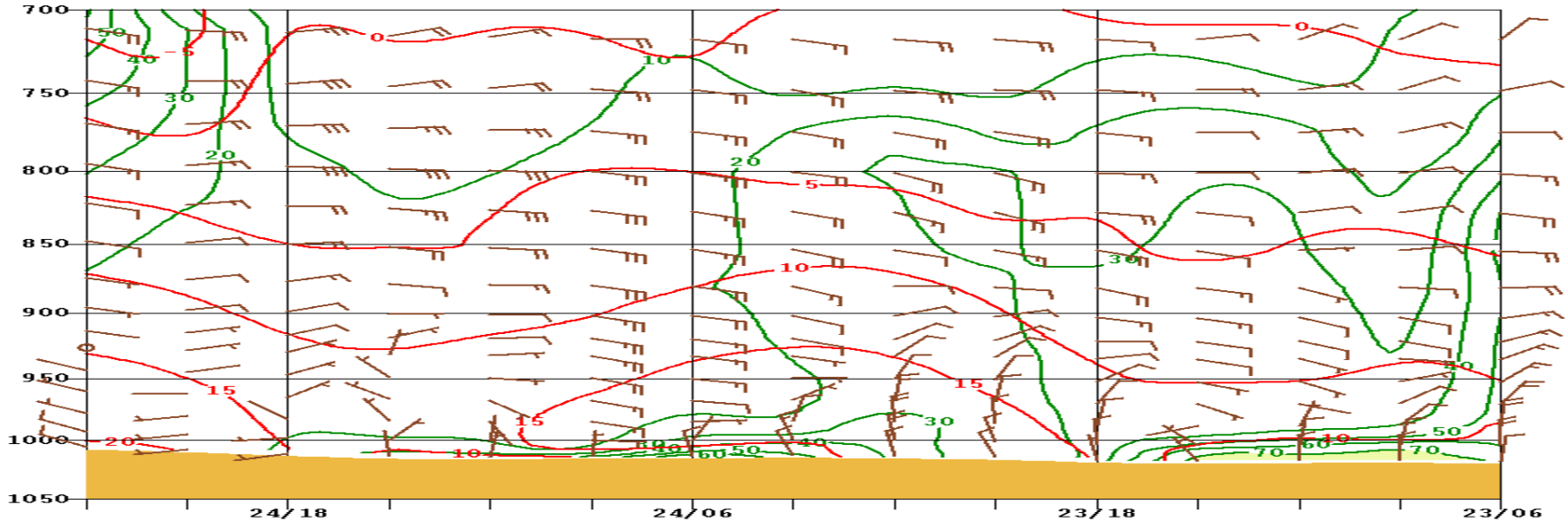

Marysville
Everett
Lynnwood
Queen Anne-
Seattle

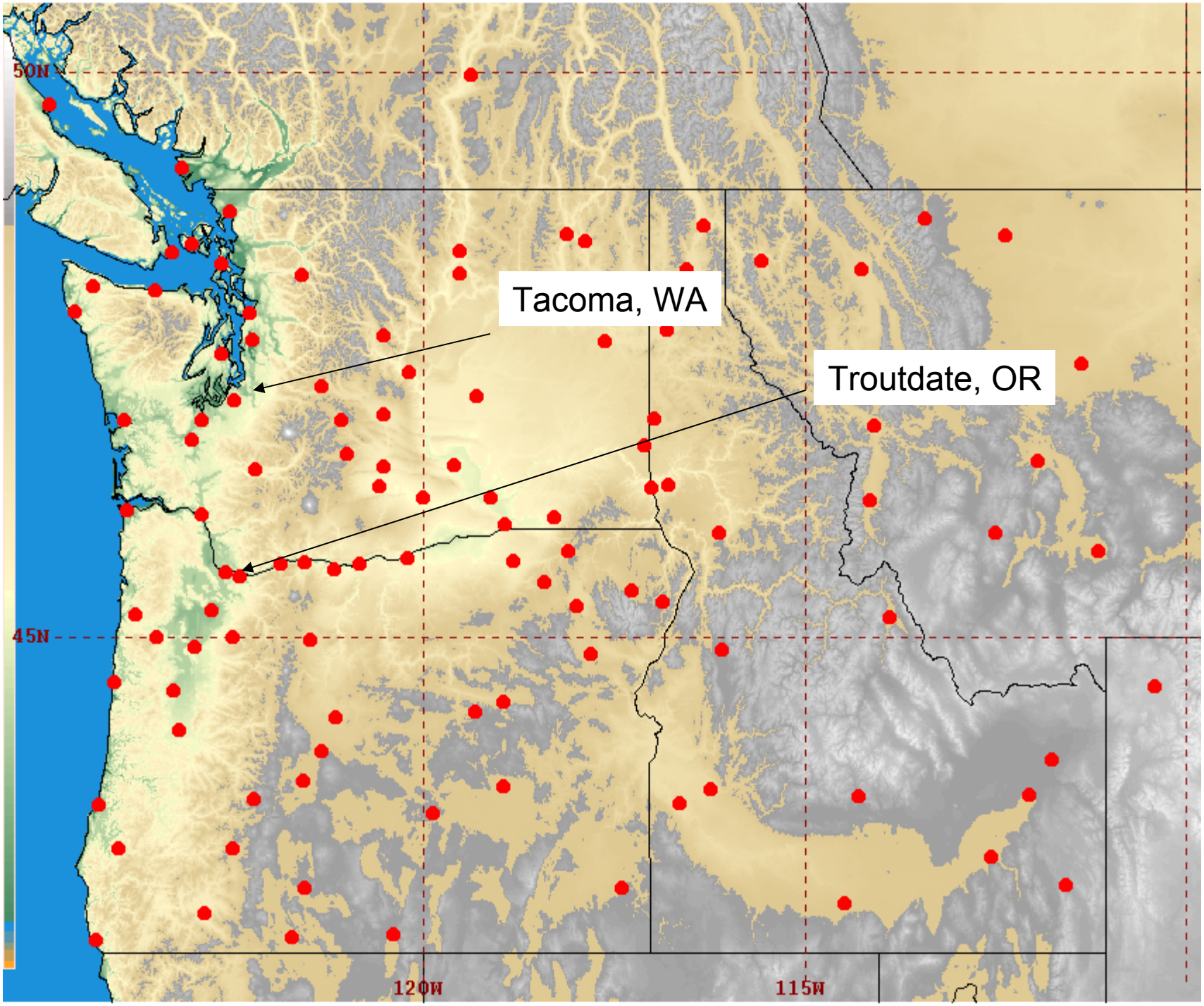

Wind / T(deg C) in red / RH(%) at kpae (Everett WA) MM5-GFS
700
750
800
850
900
950
1000
1050
Wind / T(deg C) in red / RH(%) at ps11 (Lynnwood) MM5-GFS
24/18
24/06
23/18
23/06

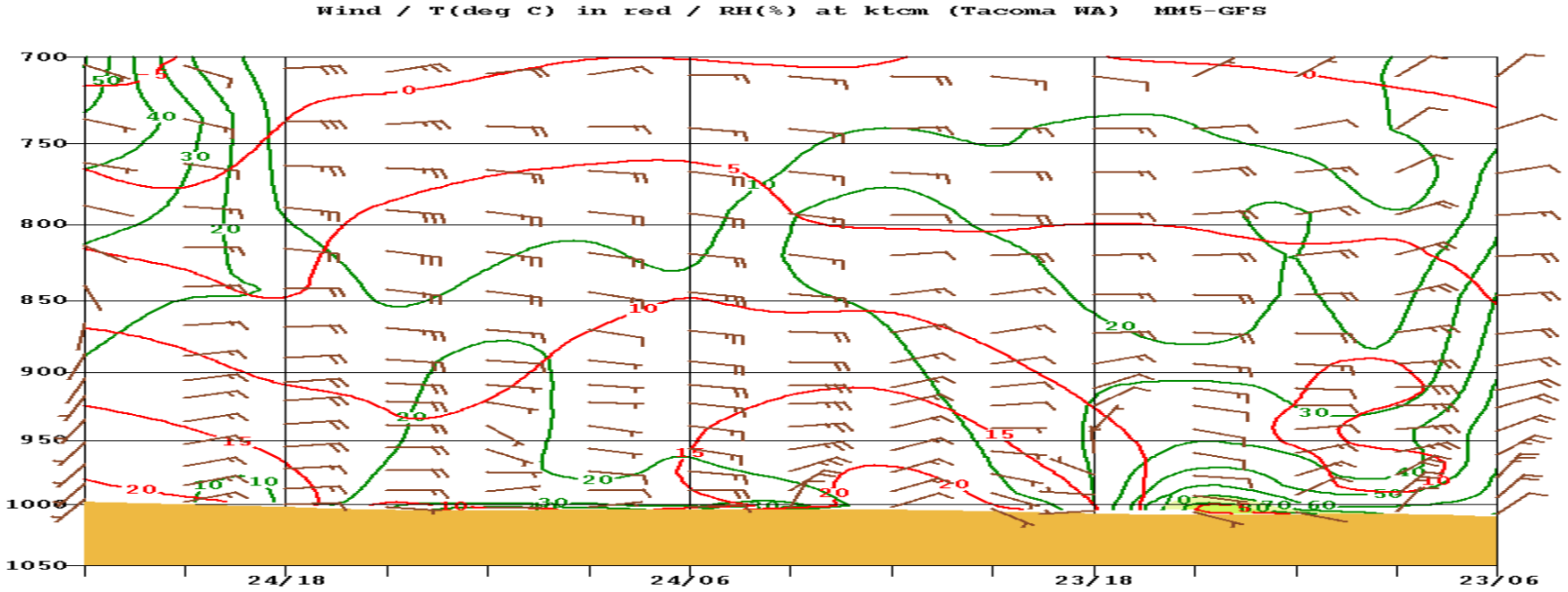
Wind / T(deg C) in red / RH(%) at ps12 (Marysville) MM5-GFS

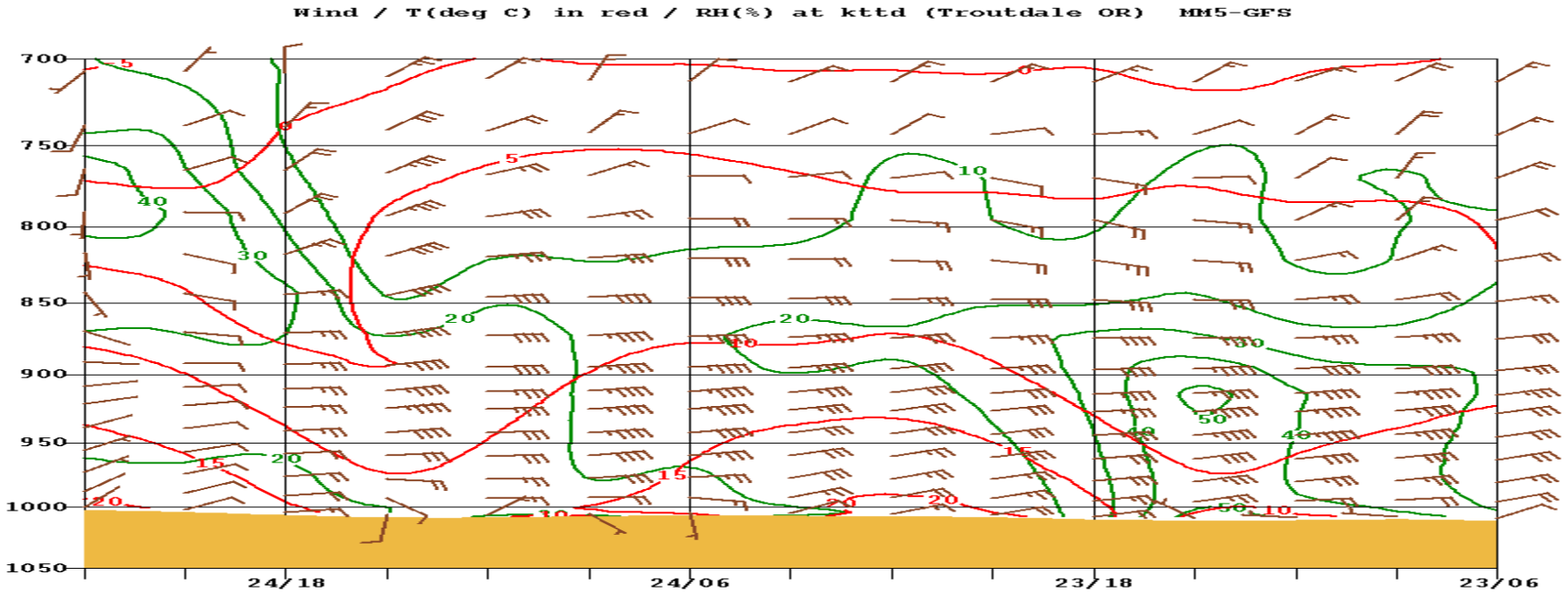


Wind / T(deg C) in red / RH(%) at ps21 (Queen Anne-Seattle) MM5-GF



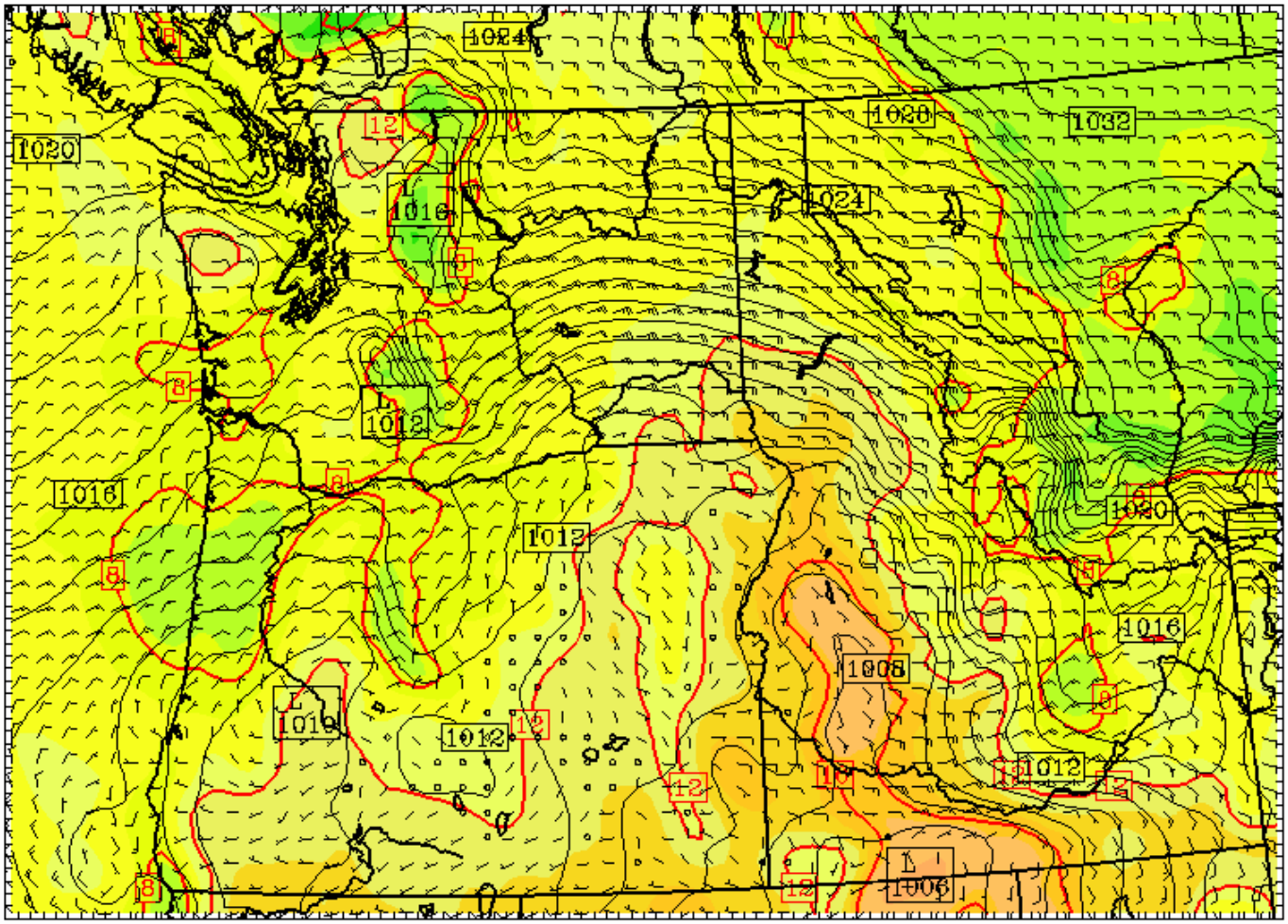

50N
45N
120W
115W
Tacoma, WA
Troutdate, OR


Wind / T(deg C) in red / RH(%) at ktcm (Tacoma WA) MM5-GFS
700
750
800
850
900
950
1000
1050
24/18
24/06
23/18
23/06


Wind / T(deg C) in red / RH(%) at kttd (Troutdale OR) MM5-GFS
700
750
800
850
900
950
1000
1050
24/18
24/06
23/18
23/06

UW MM5-Eta 12km Domain
Fcst: 30 h
Temperature at 925 mb (°C)
Sea Level Pressure (hPa)

Init: 12 UTC Sun 23 Apr 06
Valid: 18 UTC Mon 24 Apr 06 (11 PDT Mon 24 Apr 06)
Wind at 10m (full barb = 10kts)



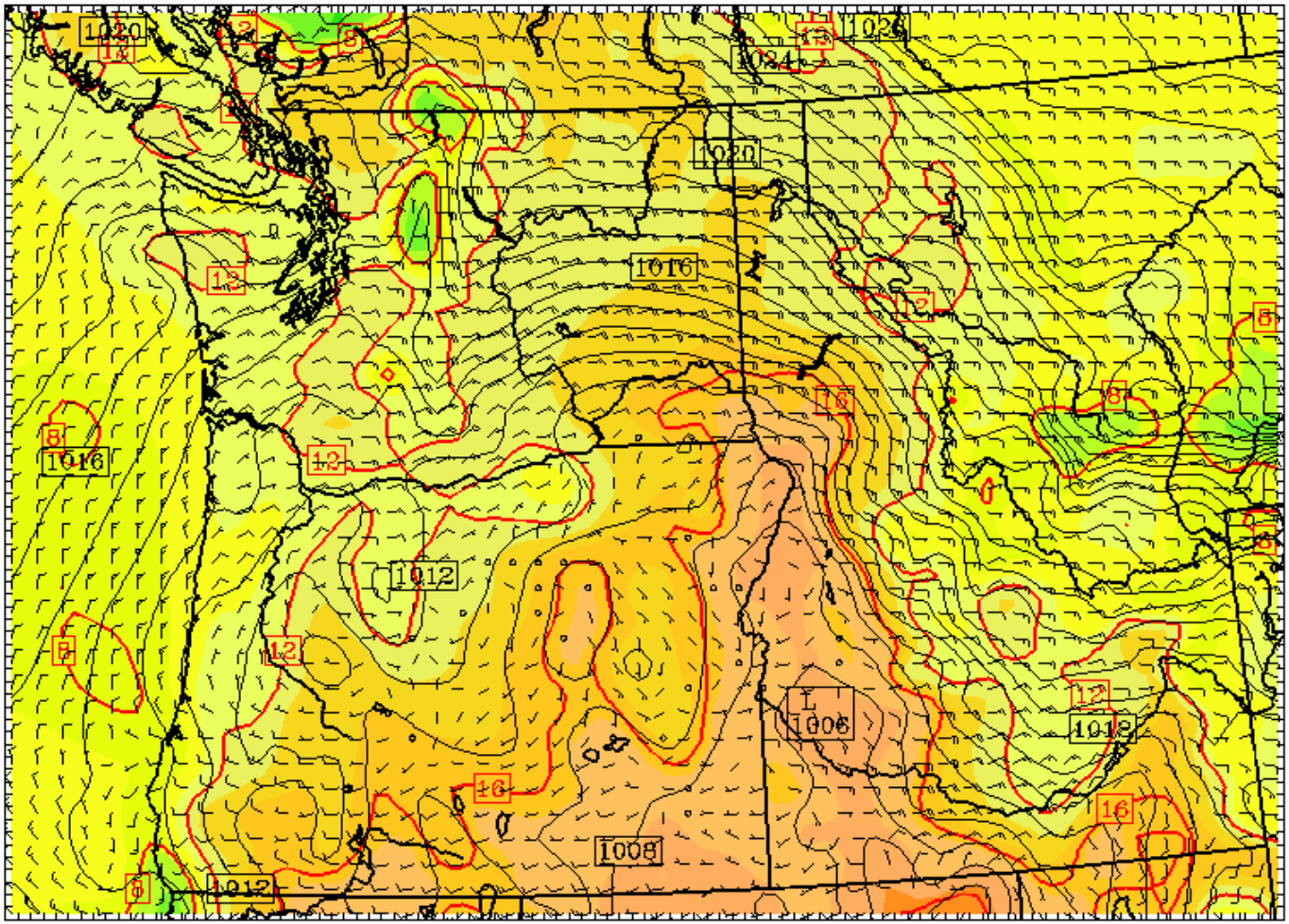
CONTOURS: UNITS=hPa LOW= 1006.0 HIGH= 1033.0 INTERVAL= 1.0000
CONTOURS: UNITS=°C LOW= 4.0000 HIGH= 16.000 INTERVAL= 4.0000

−31.5 −27 −22.5 −18 −13.5 −9 −4.5 0 4.5 9 13.5 18 22.5 27 31.5 36 °C

Model info: V3.5.0 Kain-Frsch MRF PBL Simple ice 12 km, 37 levels, 36 sec

UW MM5-Eta 12km Domain
Fcst: 33 h
Temperature at 925 mb (°C)
Sea Level Pressure (hPa)

Init: 12 UTC Sun 23 Apr 06
Valid: 21 UTC Mon 24 Apr 06 (14 PDT Mon 24 Apr 06)
Wind at 10m (full barb = 10kts)



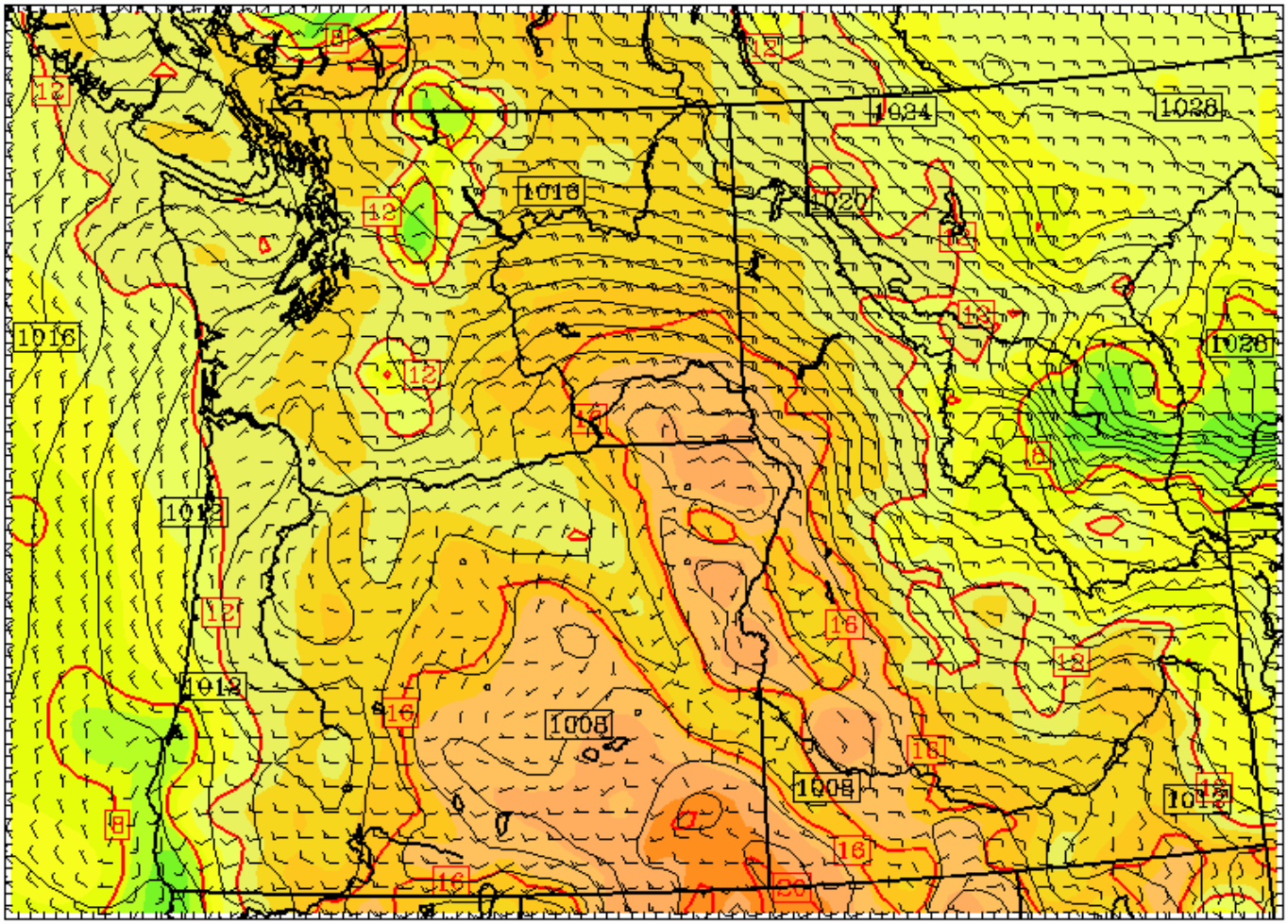
CONTOURS: UNITS=hPa LOW= 1005.0 HIGH= 1030.0 INTERVAL= 1.0000
CONTOURS: UNITS=°C LOW= 8.0000 HIGH= 20.000 INTERVAL= 4.0000

−31.5 −27 −22.5 −18 −13.5 −9 −4.5 0 4.5 9 13.5 18 22.5 27 31.5 36 °C

Model info: V3.5.0 Kain-Frsch MRF PBL Simple ice 12 km, 37 levels, 36 sec

UW MM5-Eta 12km Domain
Fcst: 36 h
Temperature at 925 mb (°C)
Sea Level Pressure (hPa)

Init: 12 UTC Sun 23 Apr 06
Valid: 00 UTC Tue 25 Apr 06 (17 PDT Mon 24 Apr 06)
Wind at 10m (full barb = 10kts)

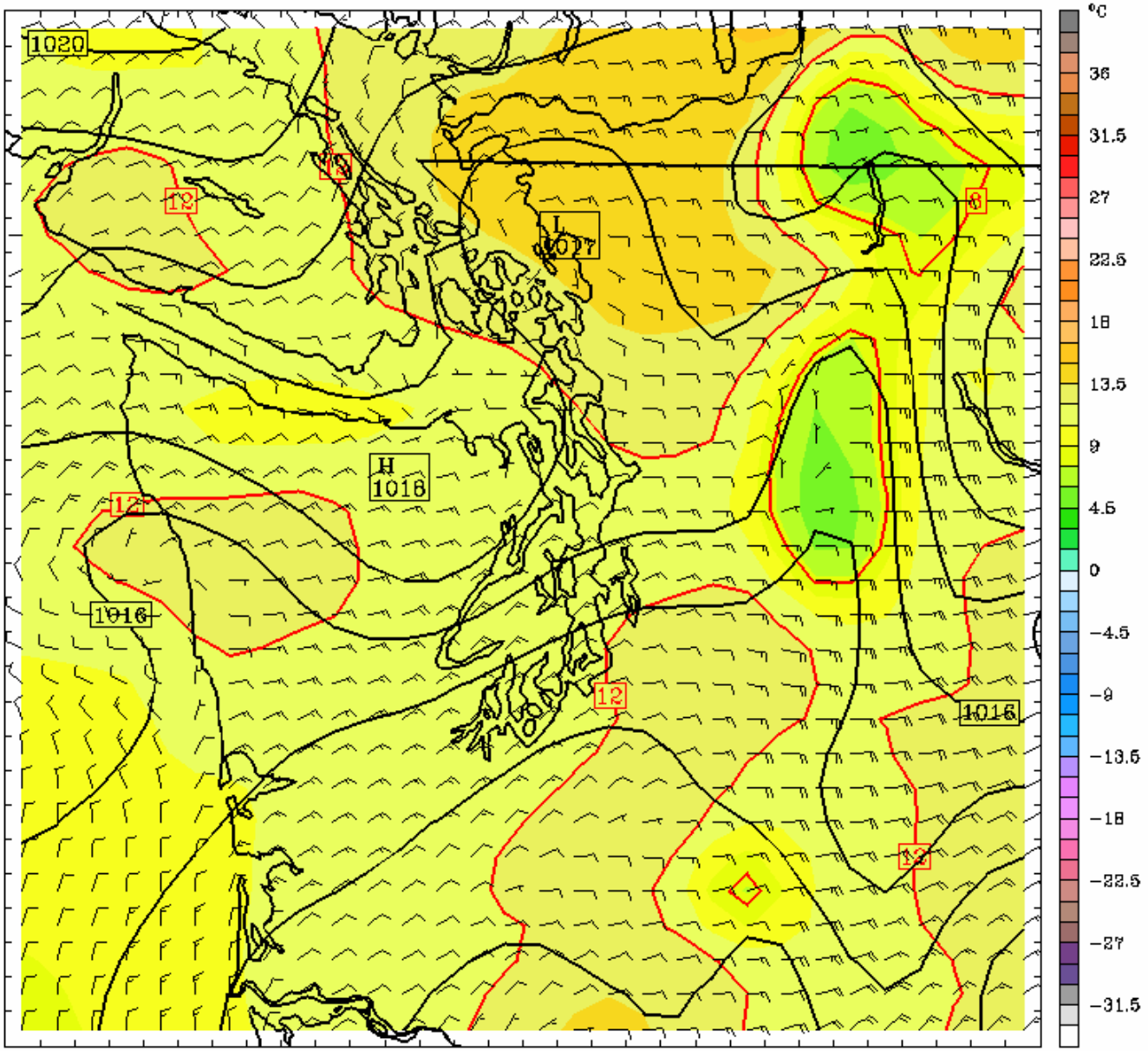


CONTOURS: UNITS=hPa LOW= 1006.0 HIGH= 1029.0 INTERVAL= 1.0000
CONTOURS: UNITS=°C LOW= 8.0000 HIGH= 20.000 INTERVAL= 4.0000

−31.5 −27 −22.5 −18 −13.5 −9 −4.5 0 4.5 9 13.5 18 22.5 27 31.5 36 °C

Model info: V3.5.0 Kain-Frsch MRF PBL Simple ice 12 km, 37 levels, 36 sec

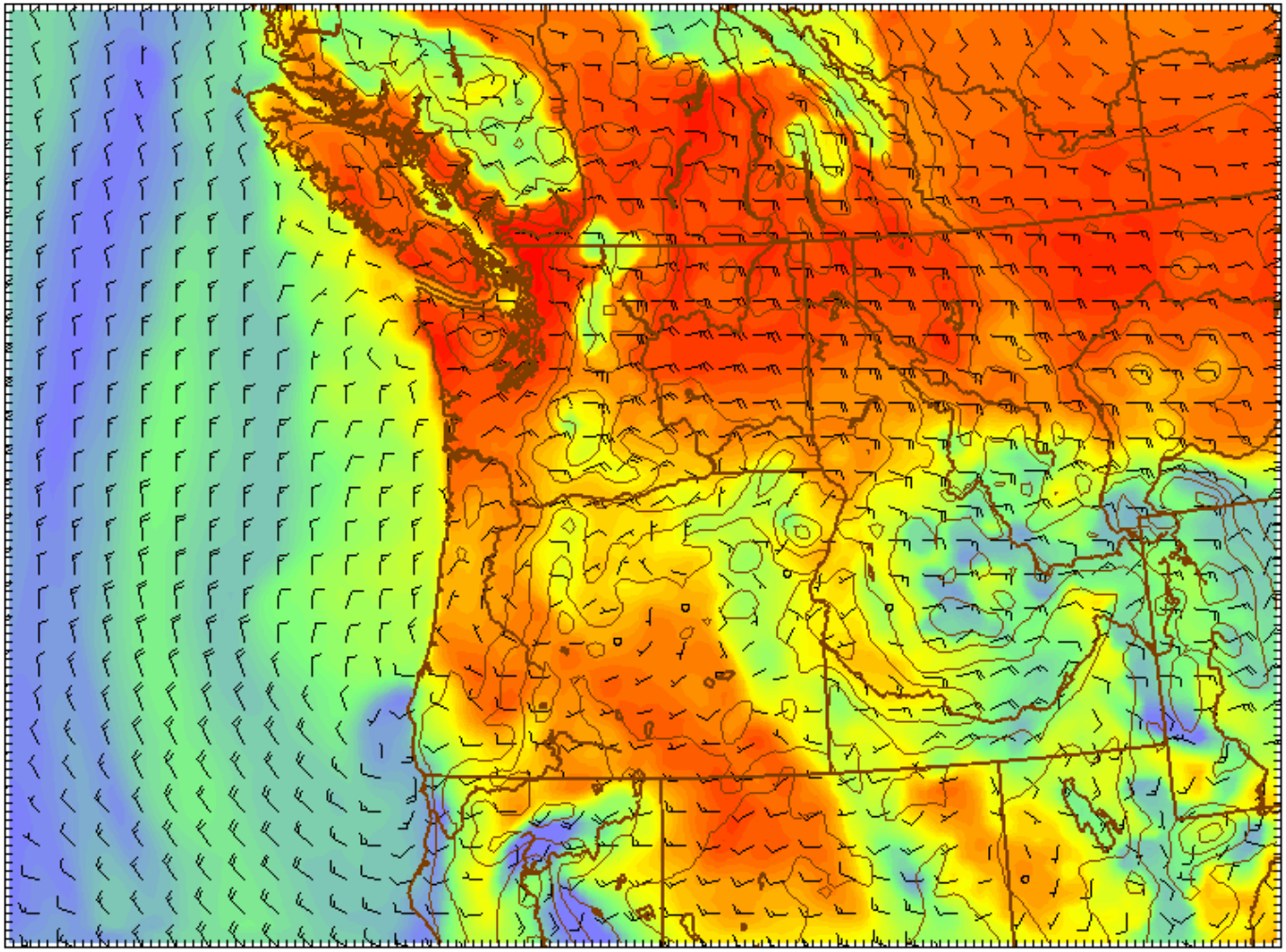
UW MM5-Eta 12km Domain
Init: 12 UTC Sun 23 Apr 06
Fcst: 33 h
Valid: 21 UTC Mon 24 Apr 06 (14 PDT Mon 24 Apr 06)
Sea Level Pressure (hPa)
Temperature at 925 mb (°C)
10m Wind (full barb = 10kts)



CONTOURS: UNITS=hPa LOW= 1013.0 HIGH= 1020.0 INTERVAL= 1.0000
CONTOURS: UNITS=°C LOW= 8.0000 HIGH= 12.000 INTERVAL= 4.0000
Model info: V3.5.0 Kain-Frsch MRF PBL Simple ice 12 km, 37 levels, 36 sec

UW MM5-Eta 12km Domain
Fcst: 33 h
Relative humidity (w.r.t. water)
Horizontal wind vectors
Terrain height AMSL

Init: 12 UTC Sun 23 Apr 06
Valid: 21 UTC Mon 24 Apr 06 (14 PDT Mon 24 Apr 06)
at sigma = 0.998
at sigma = 0.998

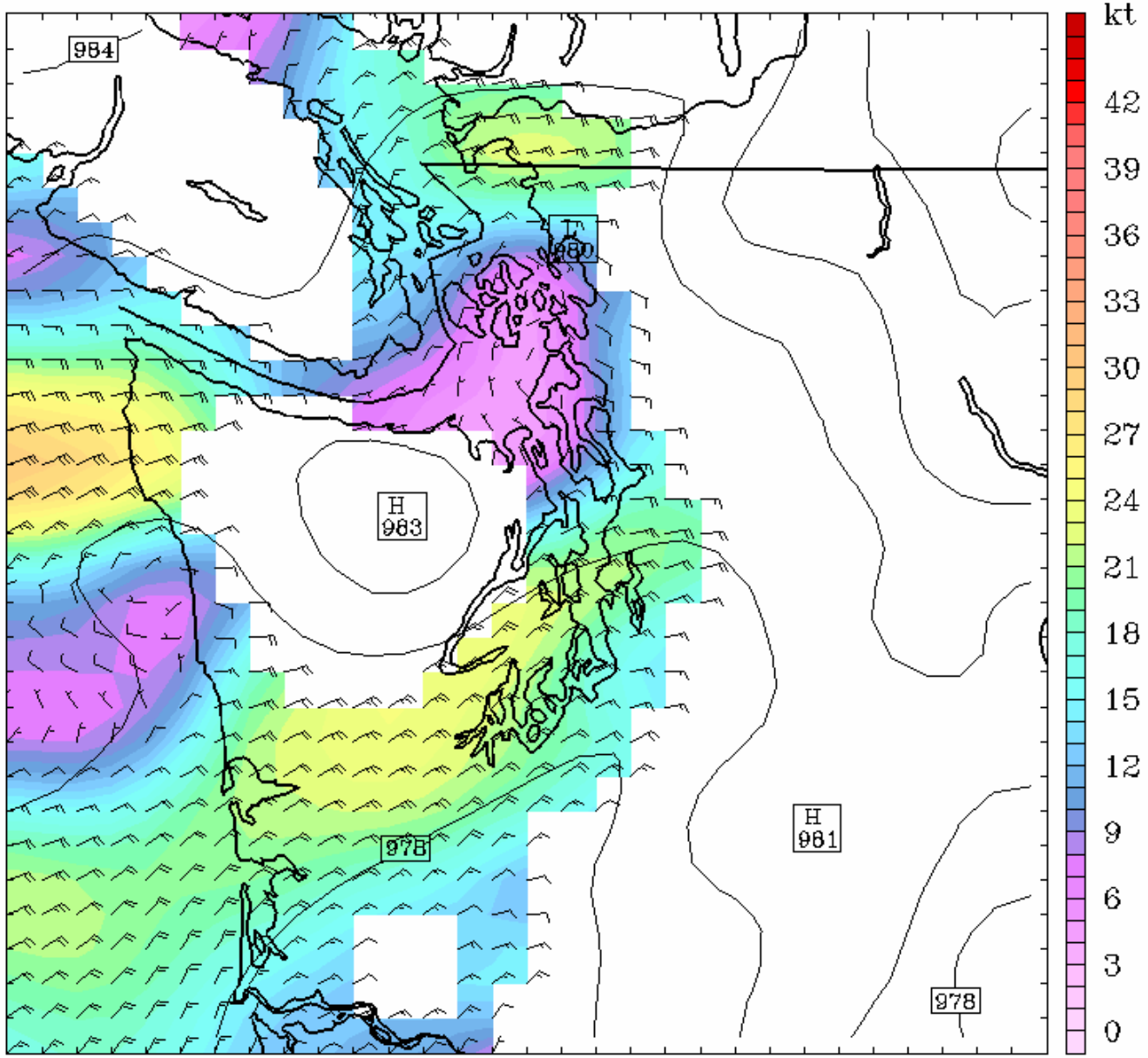


CONTOURS: UNITS=m LOW= 400.00 HIGH= 3200.0 INTERVAL= 400.00
BARB VECTORS: FULL BARB = 10 kts

0 6 12 18 24 30 36 42 48 54 60 66 72 78 84 90 96 %

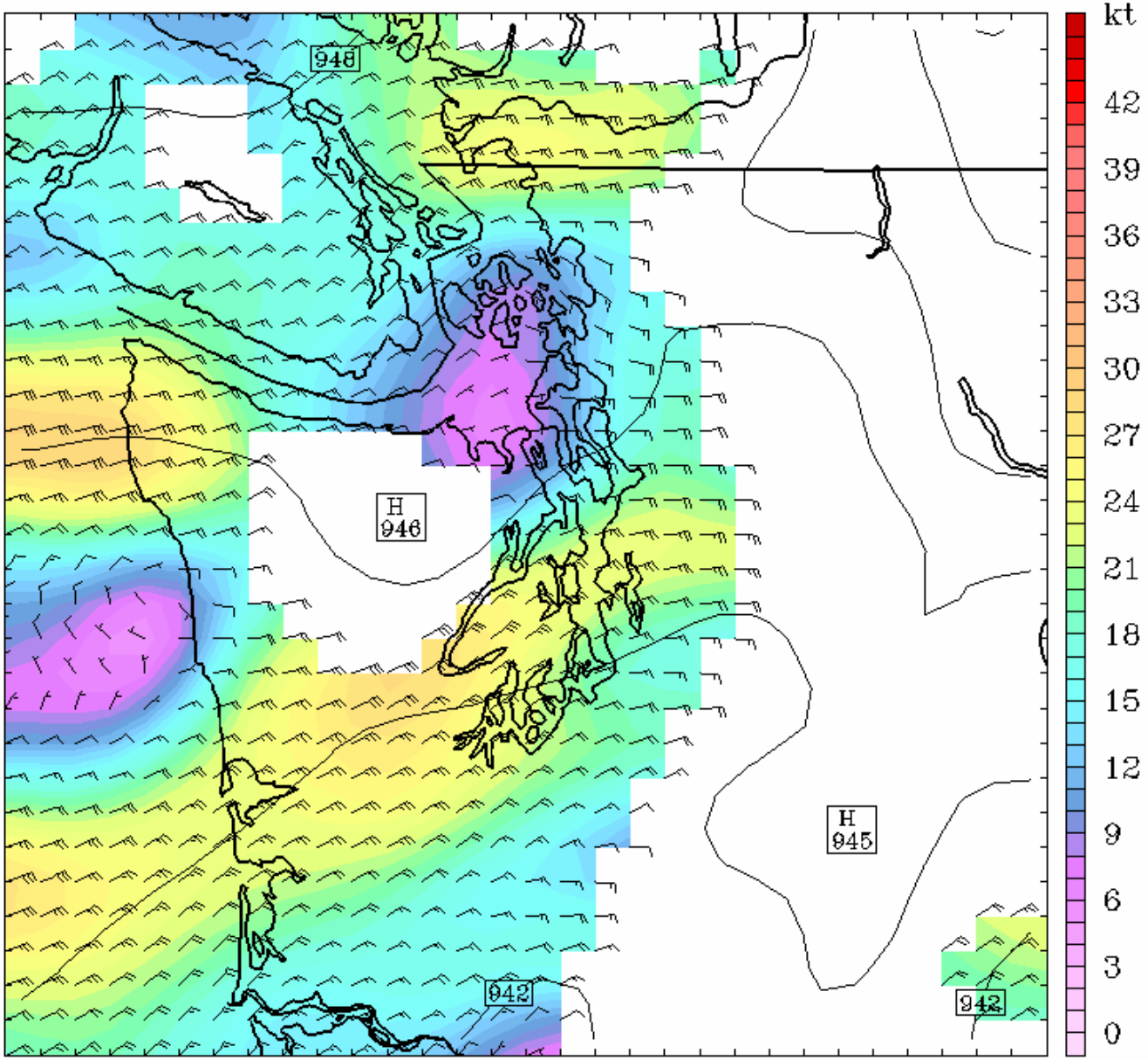
Model info: V3.5.0 Kain-Frsch MRF PBL Simple ice 12 km, 37 levels, 36 sec

UW MM5-Eta 12km Domain
Init: 12 UTC Sun 23 Apr 06
Fcst: 33 h
Valid: 21 UTC Mon 24 Apr 06 (14 PDT Mon 24 Apr 06)
Pressure (hPa) AND Winds (full barb = 10kts) at 1000ft



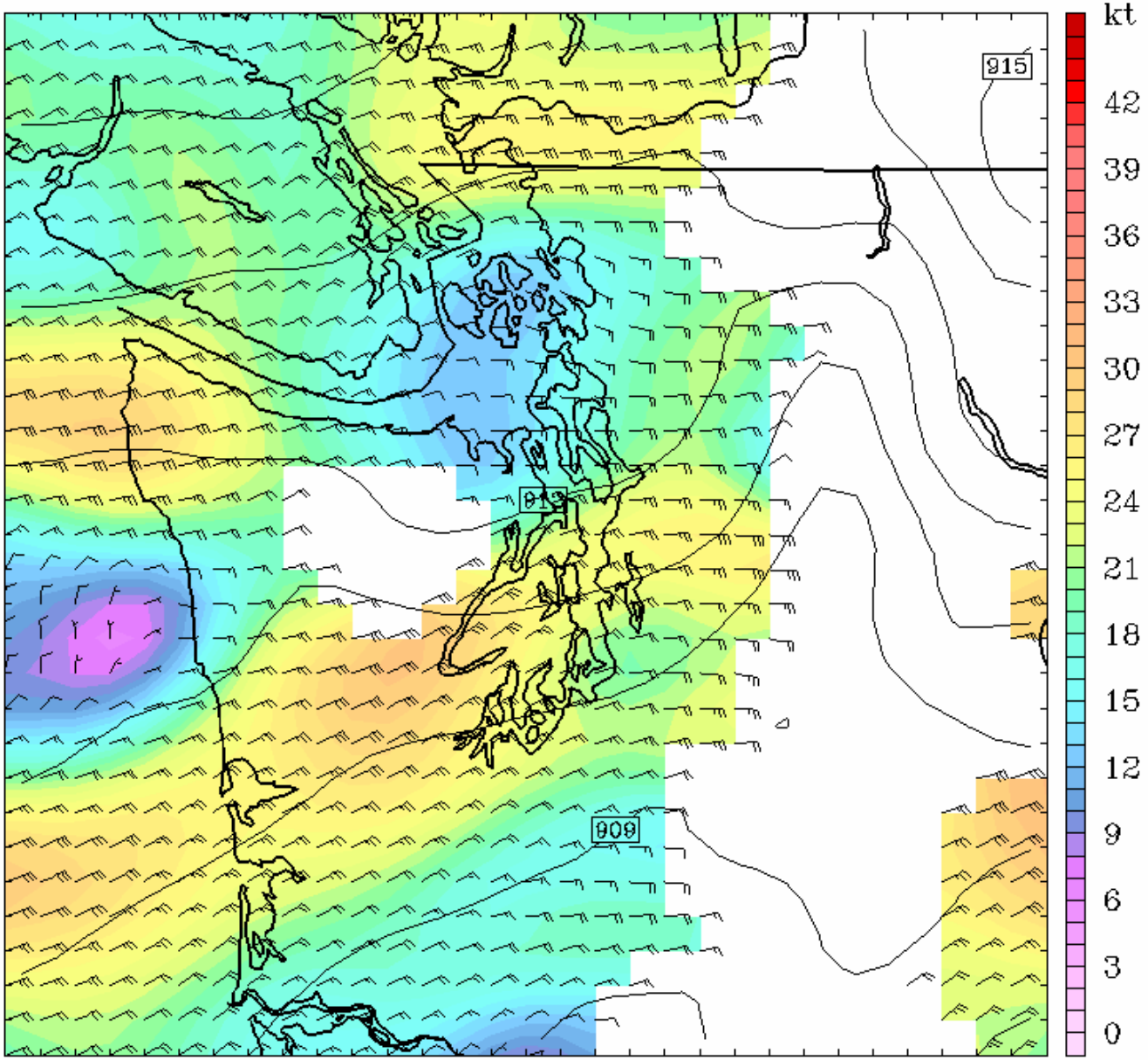
CONTOURS: UNITS=hPa LOW= 978.00 HIGH= 988.00 INTERVAL= 2.0000
Model info: V3.5.0 Kain-Frsch MRF PBL Simple ice 12 km, 37 levels, 36 sec

UW MM5-Eta 12km Domain
Init: 12 UTC Sun 23 Apr 06
Fcst: 33 h
Valid: 21 UTC Mon 24 Apr 06 (14 PDT Mon 24 Apr 06)
Pressure (hPa) AND Winds (full barb = 10kts) at 2000ft



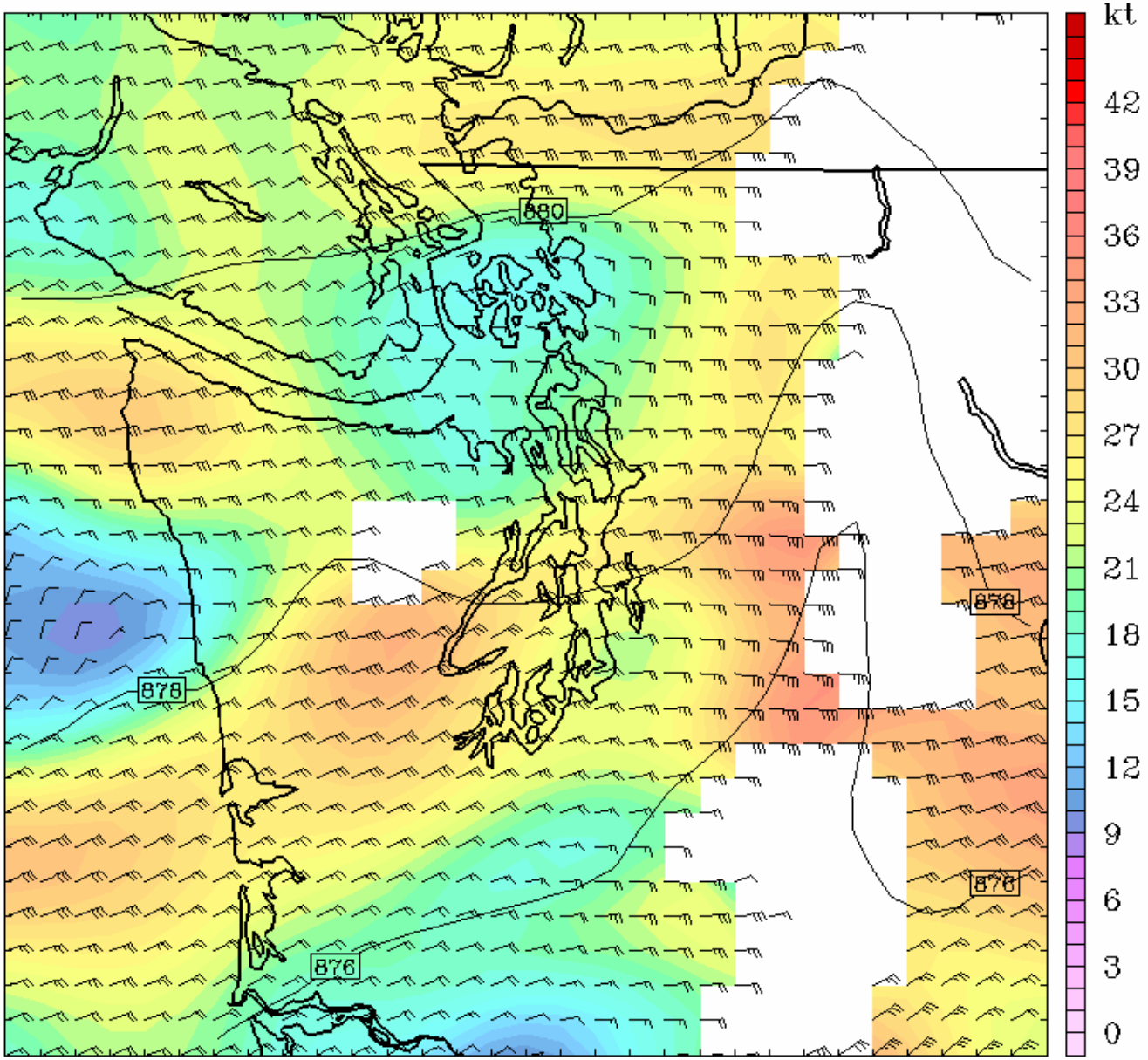
CONTOURS: UNITS=hPa LOW= 942.00 HIGH= 950.00 INTERVAL= 2.0000
Model info: V3.5.0 Kain-Frsch MRF PBL Simple ice 12 km, 37 levels, 36 sec

UW MM5-Eta 12km Domain
Init: 12 UTC Sun 23 Apr 06
Fcst: 33 h
Valid: 21 UTC Mon 24 Apr 06 (14 PDT Mon 24 Apr 06)
Pressure (hPa) AND Winds (full barb = 10kts) at 3000ft



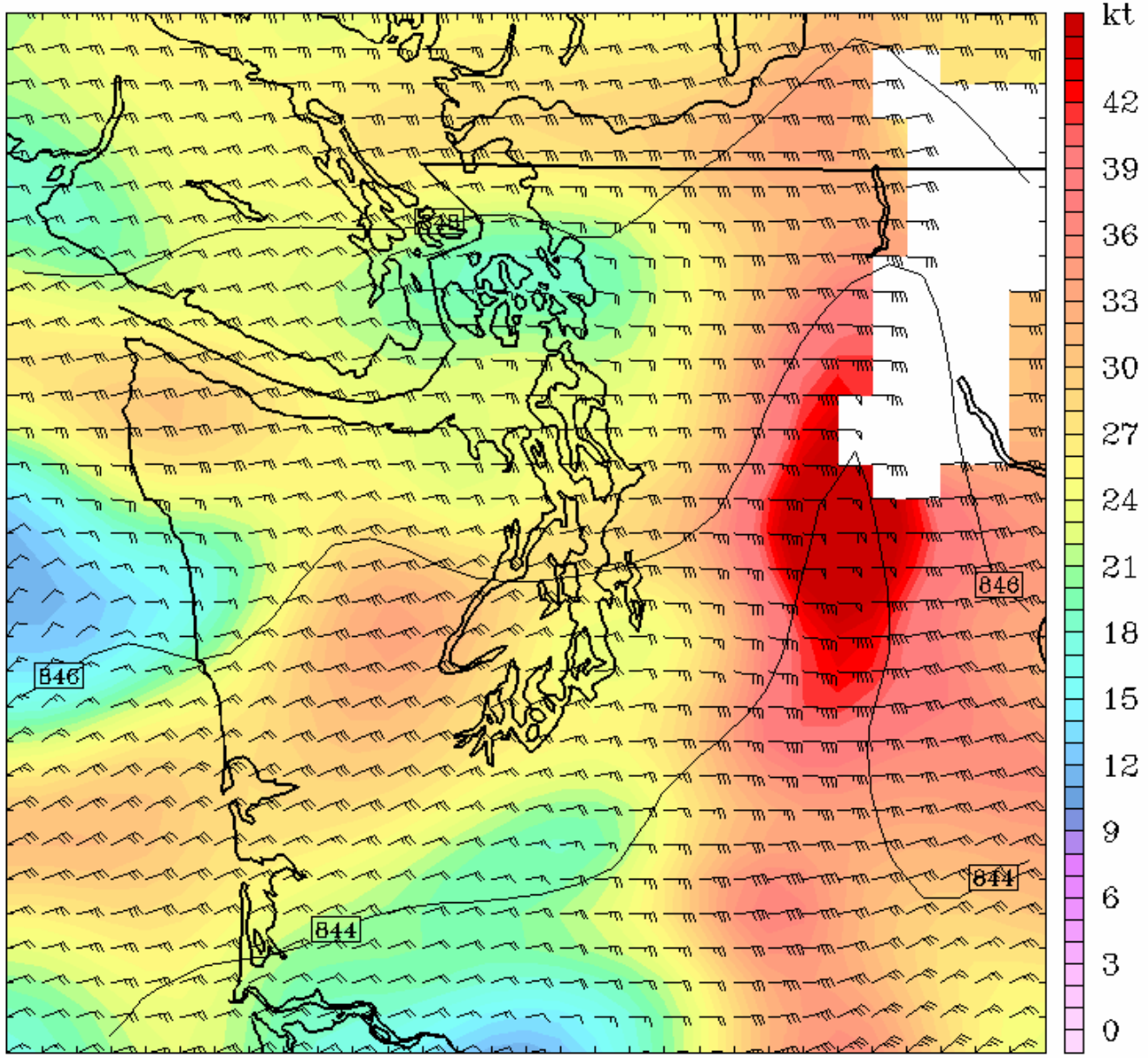
CONTOURS: UNITS=hPa LOW= 908.00 HIGH= 915.00 INTERVAL= 1.0000
Model info: V3.5.0 Kain-Frsch MRF PBL Simple ice 12 km, 37 levels, 36 sec

UW MM5-Eta 12km Domain
Init: 12 UTC Sun 23 Apr 06
Fcst: 33 h
Valid: 21 UTC Mon 24 Apr 06 (14 PDT Mon 24 Apr 06)
Pressure (hPa) AND Winds (full barb = 10kts) at 4000ft



CONTOURS: UNITS=hPa LOW= 876.00 HIGH= 880.00 INTERVAL= 2.0000
Model info: V3.5.0 Kain-Frsch MRF PBL Simple ice 12 km, 37 levels, 36 sec

UW MM5-Eta 12km Domain
Init: 12 UTC Sun 23 Apr 06
Fcst: 33 h
Valid: 21 UTC Mon 24 Apr 06 (14 PDT Mon 24 Apr 06)
Pressure (hPa) AND Winds (full barb = 10kts) at 5000ft

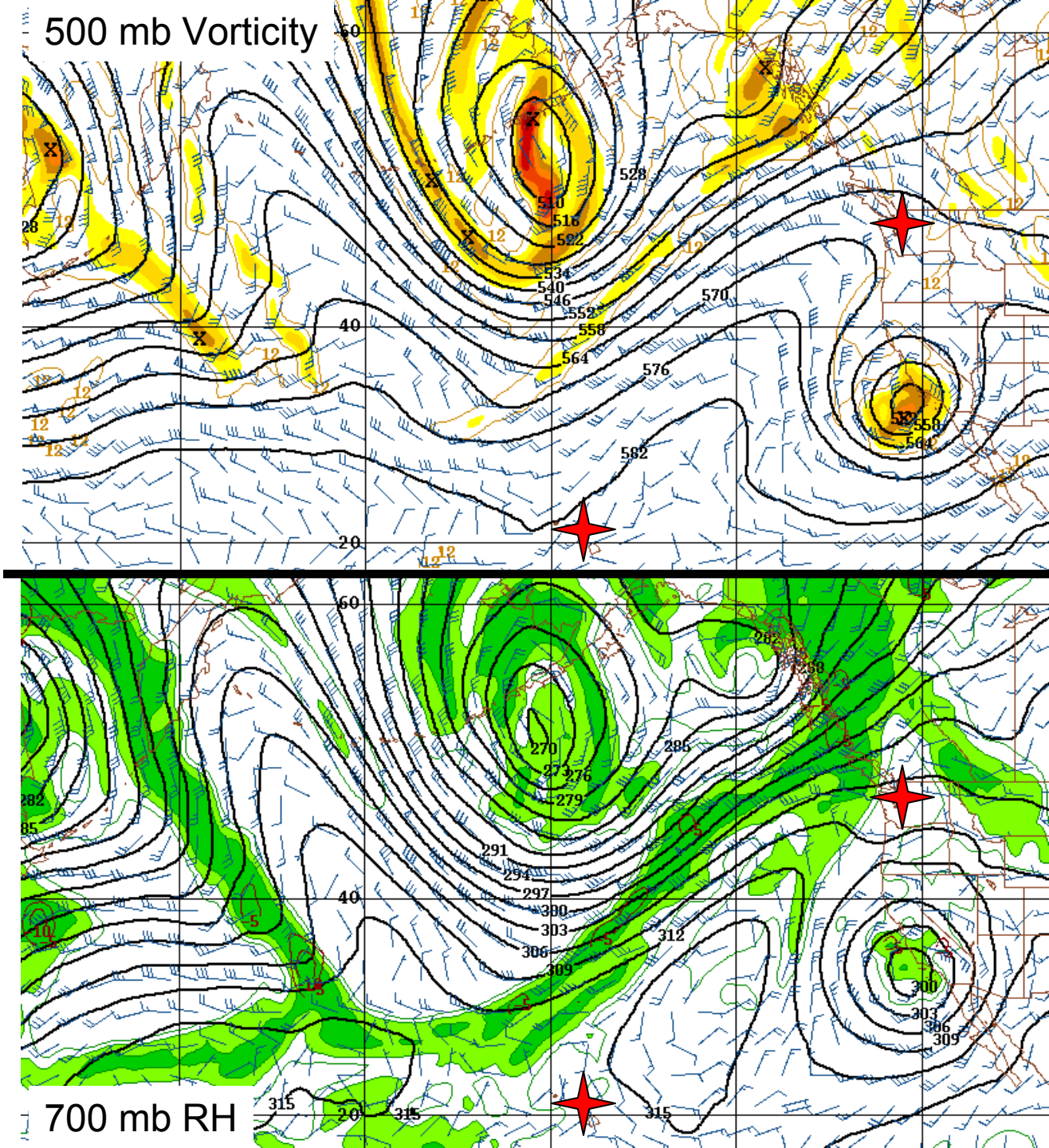


CONTOURS: UNITS=hPa LOW= 844.00 HIGH= 848.00 INTERVAL= 2.0000
Model info: V3.5.0 Kain-Frsch MRF PBL Simple ice 12 km, 37 levels, 36 sec

Potential Flight Days

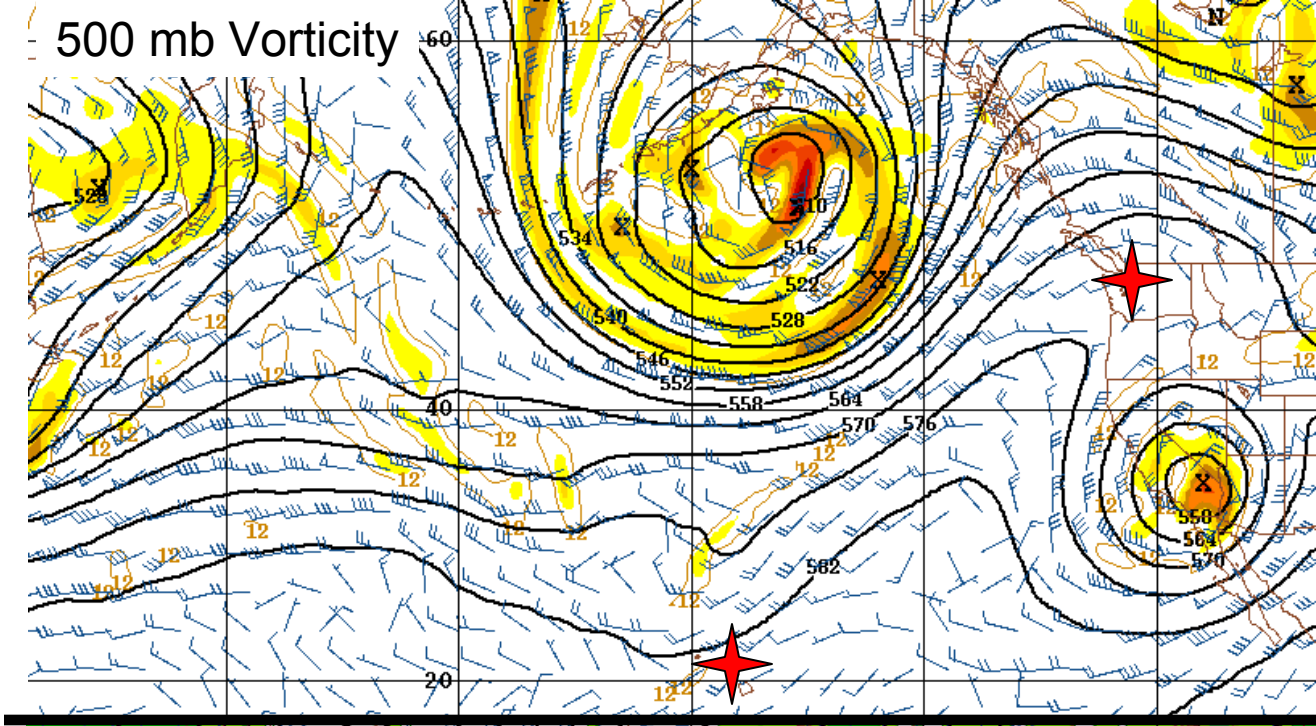
84 hr Fx

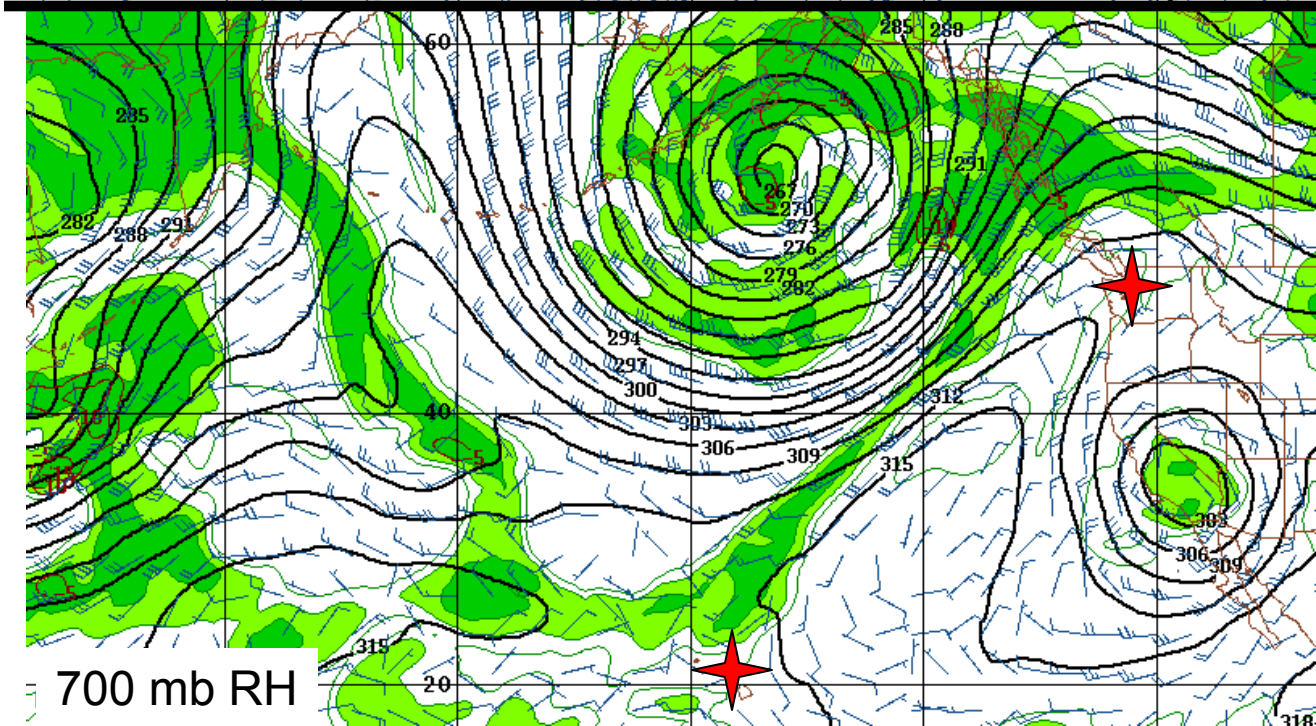
Wed 0426
18 z

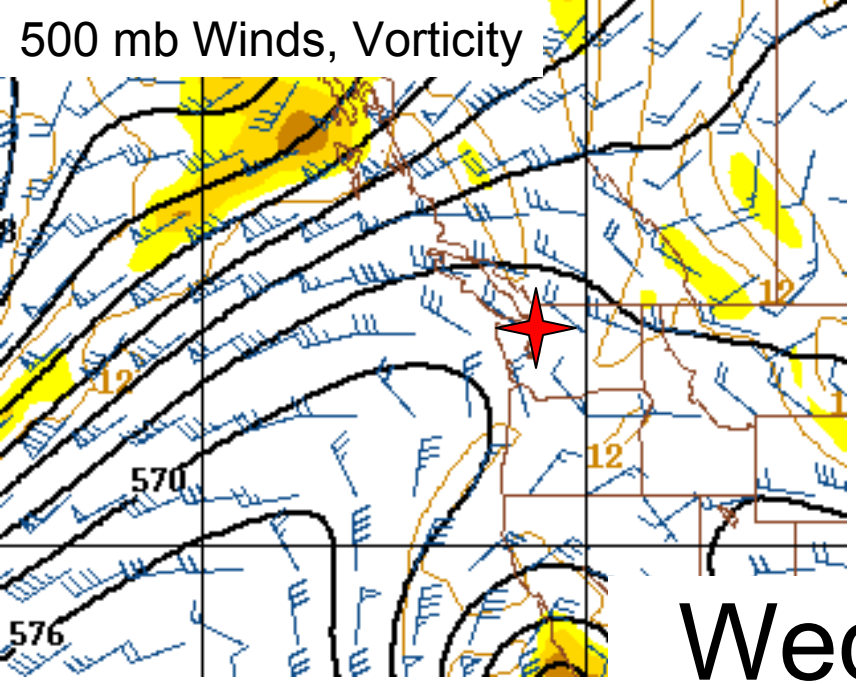


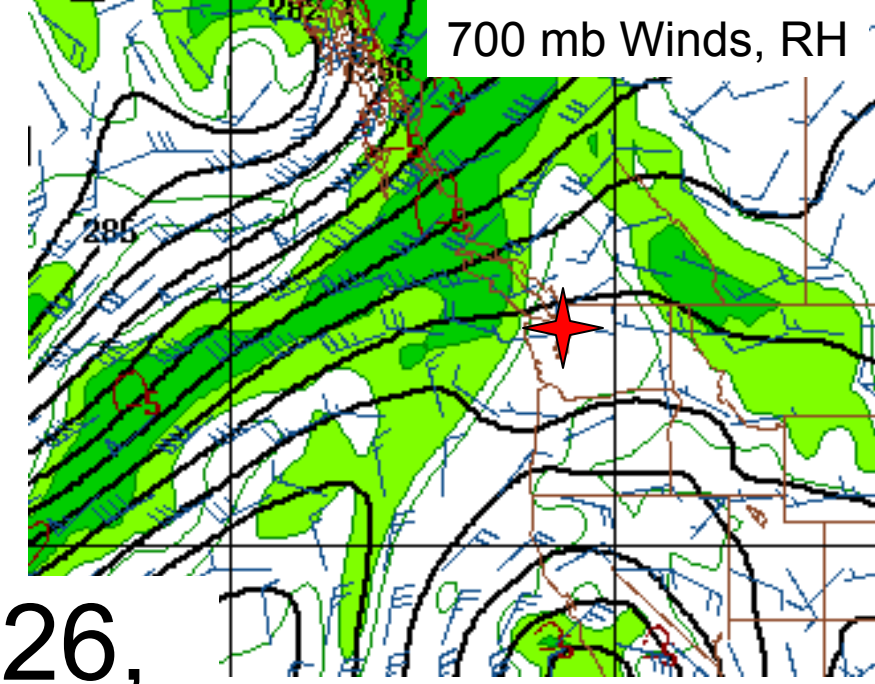
108 hr Fx

Thur 0427
18 z

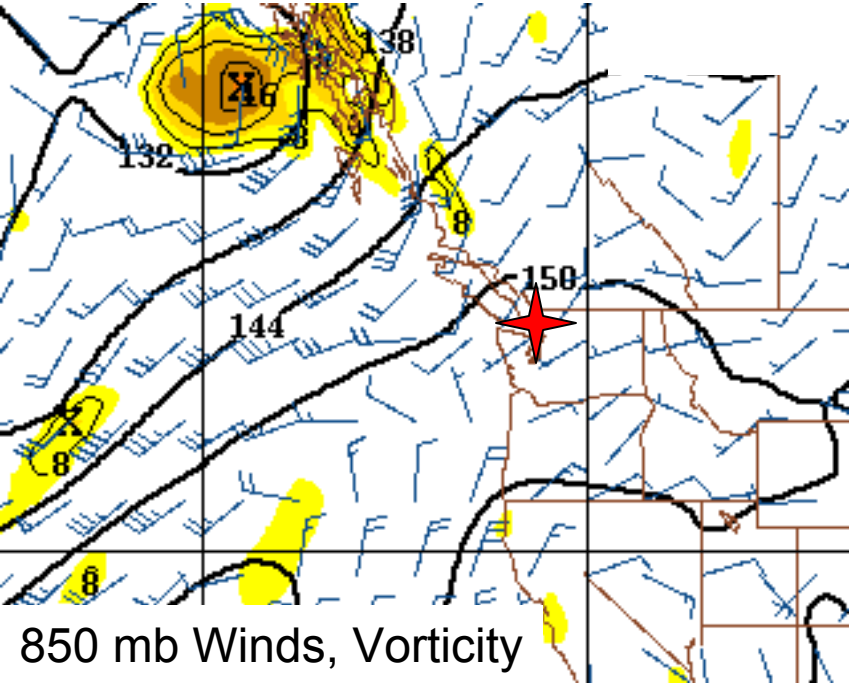


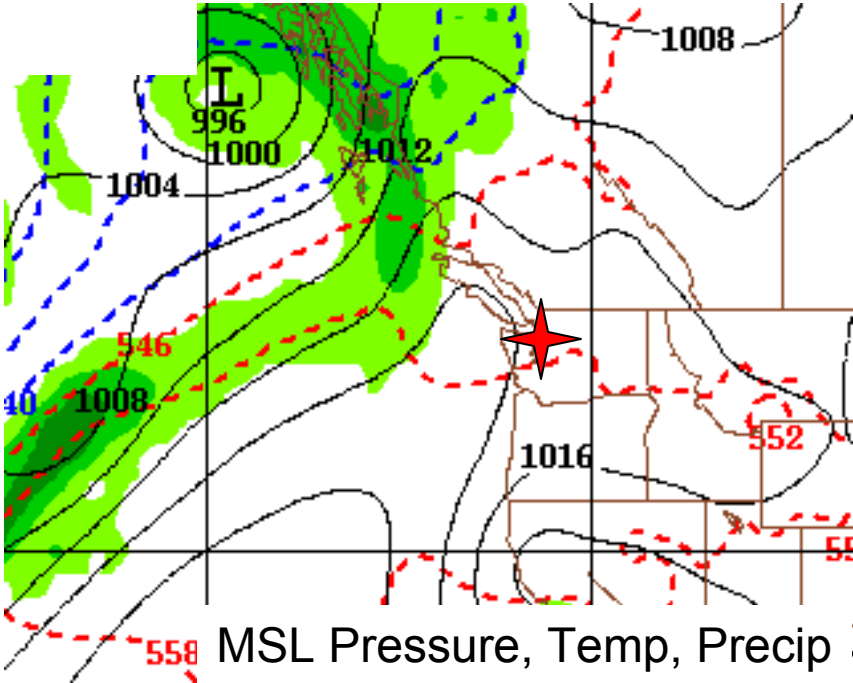


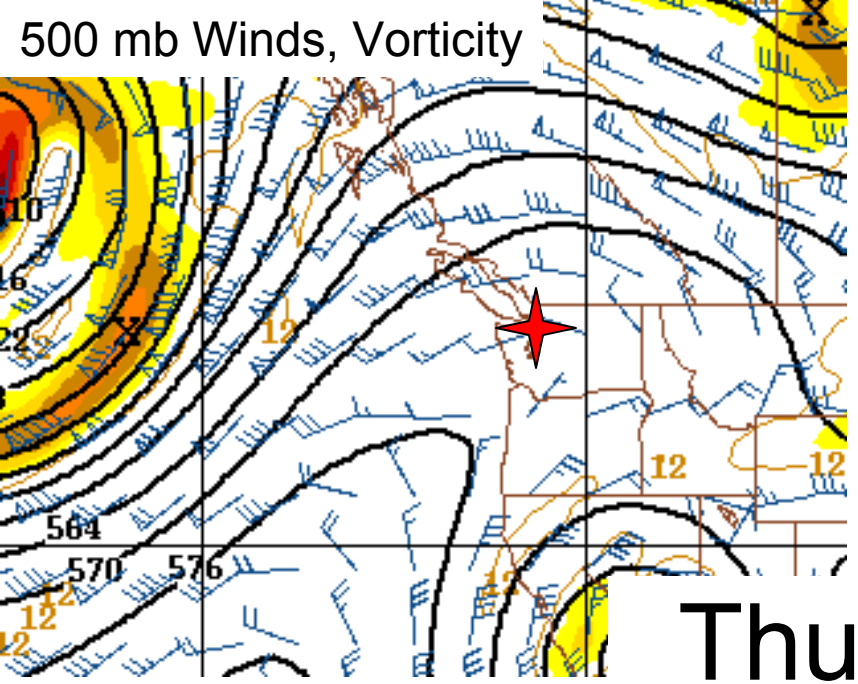

500 mb Winds, Vorticity
570
576

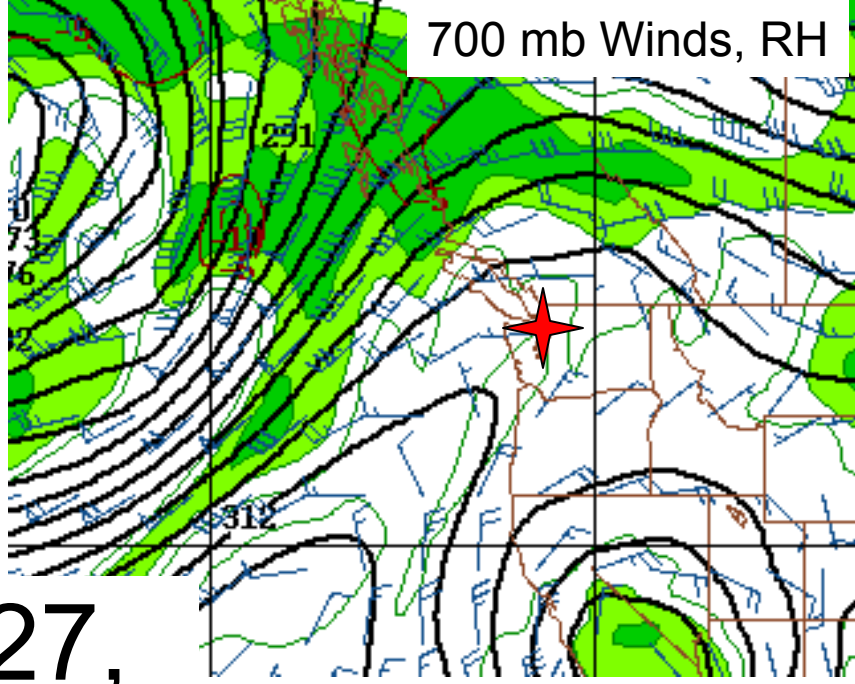

700 mb Winds, RH

Wed 0426, 18z

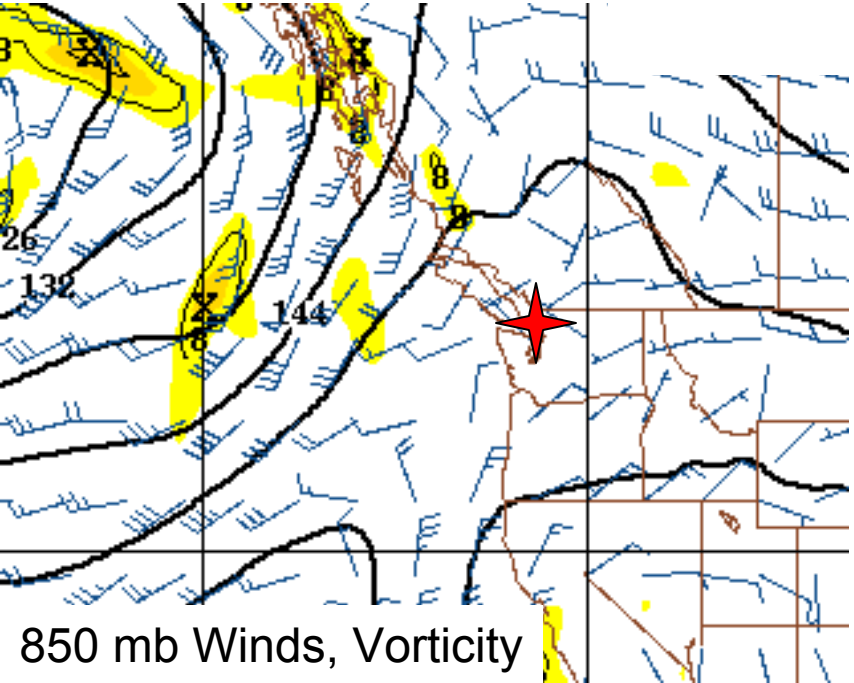

850 mb Winds, Vorticity
132
138
144
150

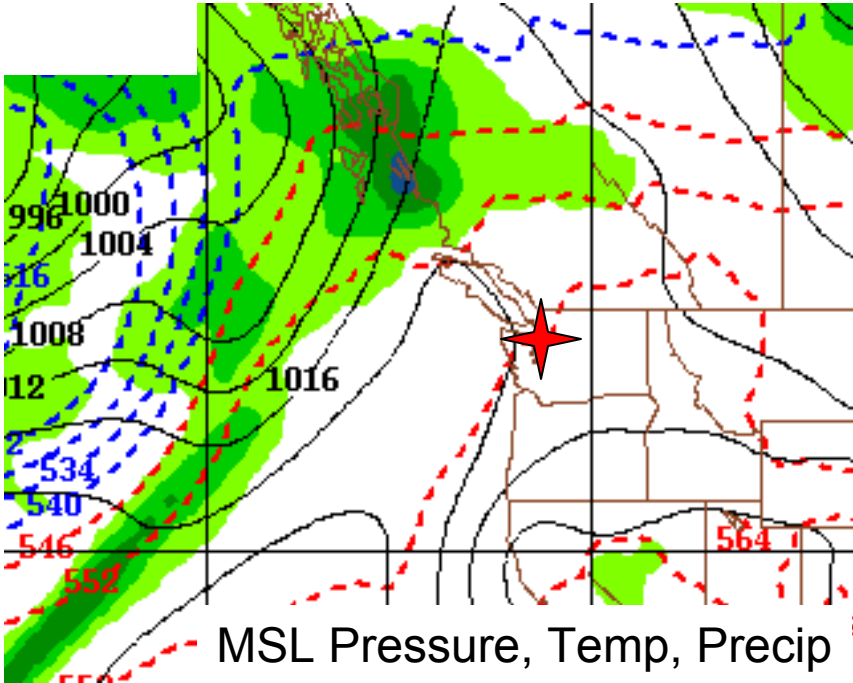

MSL Pressure, Temp, Precip
996
1000
1004
1008
1012
1016
546
552
558





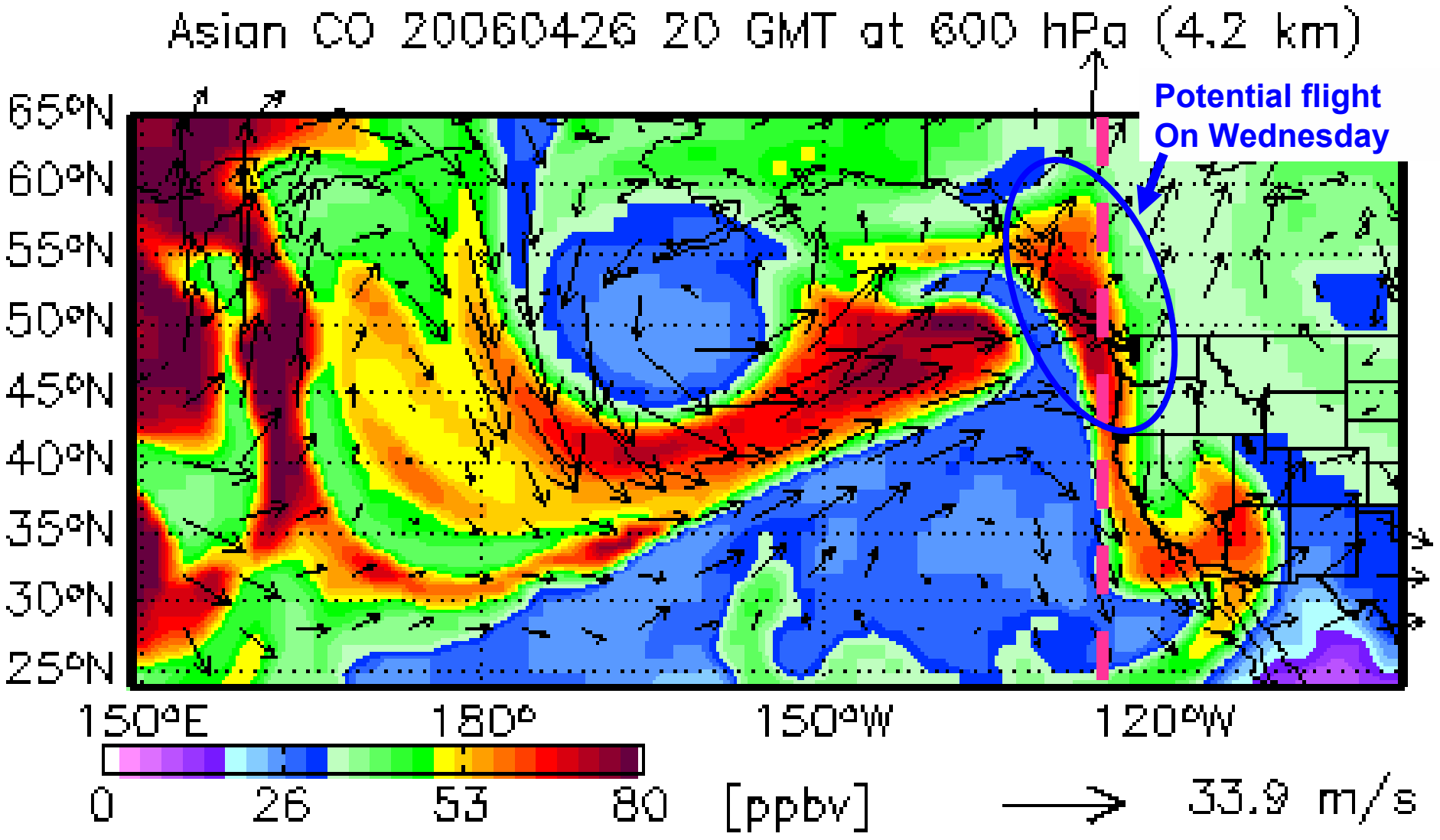
Thur 0427, 18z





4/23 00Z forecast

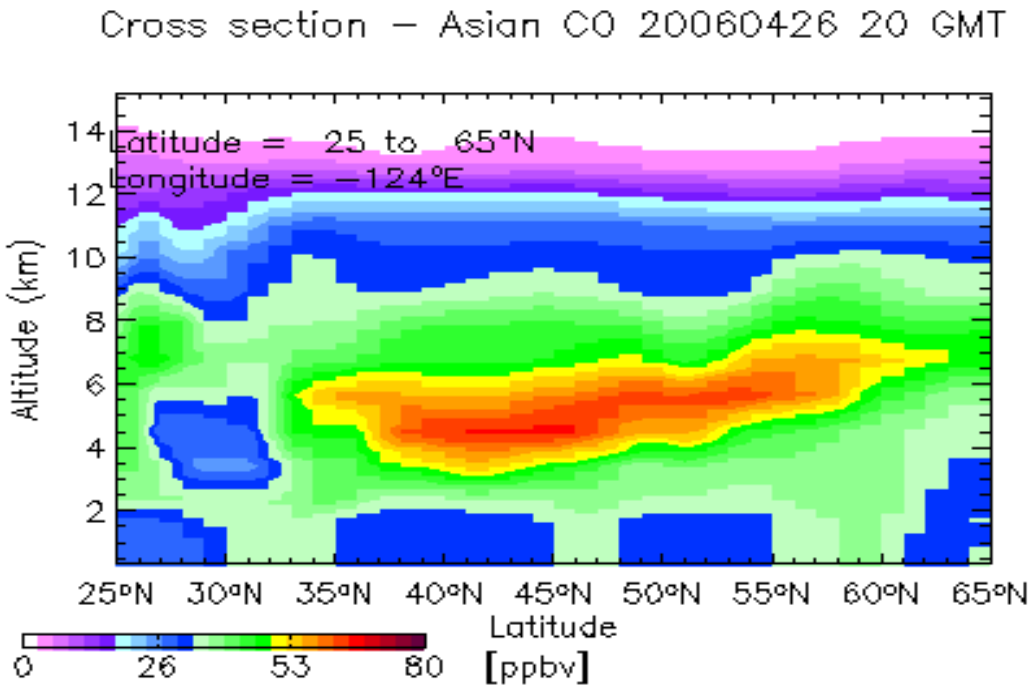
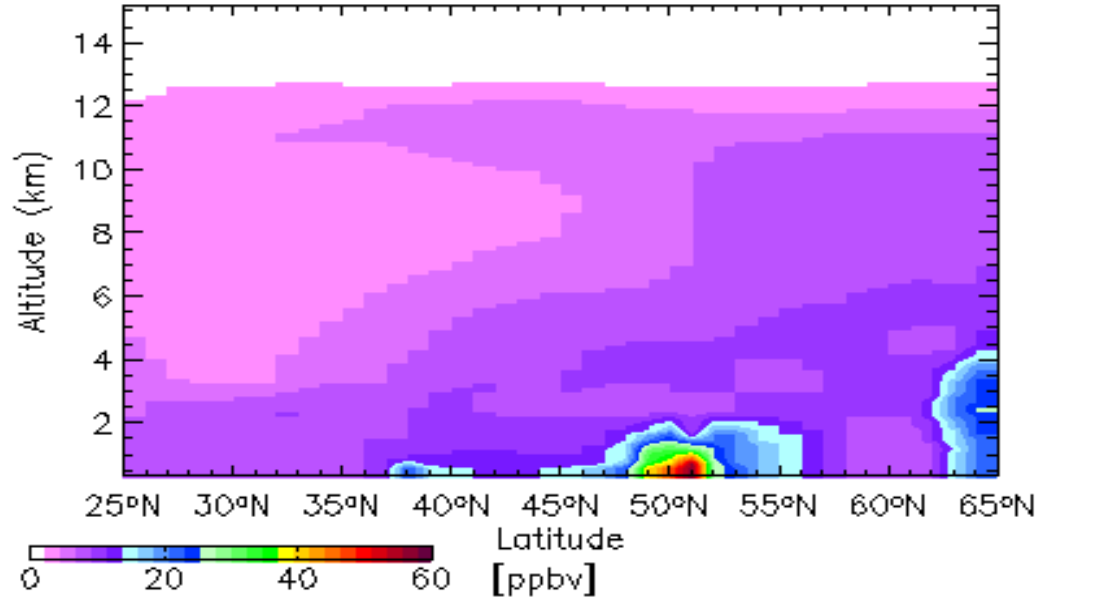
Wednesday, 4/26, 20Z



4/23 00Z forecast

Wednesday 4/26, 20Z @124W

Asian CO →



NA anthro. CO →